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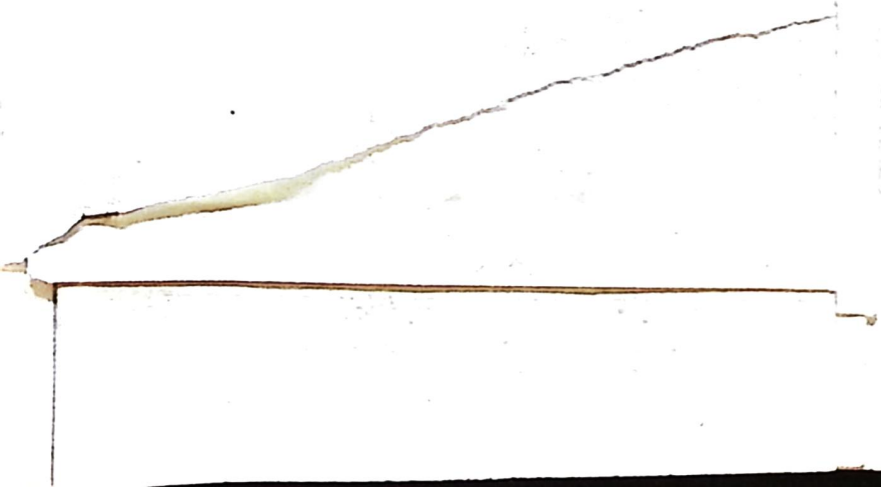

UNITED STATES
W. J. Stone Sc. Wash.
MILES
50
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HUDSONIA
UPPER CANADA
LOWER CANADA
NEW BRUNSWICK
RIVER St. LAWRENCE
QUEBEC
MONTREAL
St. Francis
Chaudiere
Madawaska
R. St. Johns
Aroostook R.
Hancock Barracks
Penobscot R.
MAINE
Kennebec
Bangor
Augusta
Eastport
Fort Sullivan
Mt. Desert I.
Penobscot Bay
Portland
Fort Preble
Ft. Constitution
Portsmouth
NEW HAMPSHIRE
Merrimac
Montpelier
Burlington
VERMONT
Connecticut R.
L. CHAMPLAIN
Plattsburg
Ogdensburg
Prescot
Kingston
Watertown
Madison Barracks
Oswego
Utica
Troy
Schenectady
Albany
Hudson
Hudson
Newburg
West Point
NEW YORK
Salem
BOSTON
Fort Independence
CAPE COD
MASSACHUSETTS
Hartford
Providence
CONNECTICUT
Middletown
New Haven
New London
Ft. Wolcott
Newport
RHODE ISLAND
Nantucket
Fort Trumbull
L. I. SOUND
NEW YORK
LONG ISLAND
Ft. Lafayette & Hamilton
Brunswick
N. JERSEY
Newark
Ft. Columbus
Delaware R.
Wilkesbarre
Easton
Trenton
PENNSYLVANIA
PHILADELPHIA
Lancaster
Wilmington
Ft. Delaware
Susquehanna
Harrisburg
Pittsburgh
Erie
Baltimore
Fort McHenry
Annapolis
Fort Severn
Dover
DELAWARE
MARYLAND
Delaware Bay
WASHINGTON
Fort Washington
Potomac
CHESAPEAKE BAY
VIRGINIA
Richmond
Bellona Arsenal
James R.
Fort Monroe
Norfolk
Gr. Kenhawa
Sandy R.
NORTH CAROLINA
Raleigh
Neuse
Pamlico Sound
CAPE HATTERAS
Fayetteville
Newbern
Beaufort
Ft. Macon
Wilmington
Cape Fear
Fort Johnson
Long Bay
SOUTH CAROLINA
Columbia
Pedee R.
Saluda
Georgetown
Cape Romain
Charleston
Castle Pinckney
Fort Moultrie
GEORGIA
Augusta Arsenal
Augusta
Savanna R.
Milledgeville
Oglethorpe Barracks
Savannah
Alatamaha R.
Darien
St. Marys
St. Andrews Sd.
Cumberland Sd.
Chattahoochee
Columbus
Flint River
Fort Scott
FLORIDA
Tallahassee
Jacksonville
Fort Marion
St. Augustine
St. Johns
Suwanee
St. Marks
Ft. Gadsden
Appalachicola
Cape St. Blas
Appalachee Bay
Vacasausa Bay
Ft. King
Fort Brook
TAMPA BAY
C. Cannaveral
Charlotte R.
Shark R.
C. Florida
Cape Sable
Florida Keys
Tortugas
Key West
BAHAMA ISLANDS
ATLANTIC OCEAN
GULF OF MEXICO
ALABAMA
Tuscaloosa
Montgomery
Alabama R.
Conecuh R.
Cant. Montpelier
Mariam
Mobile
Pensacola
St. Andrews Bay
Fort Morgan
Mobile Bay
Fort Barrancas
Fort Pickens
MISSISSIPPI
Jackson
Natchez
Pearl R.
Ft. Pike
Ft. Wood
NEW ORLEANS
Fort St. Philip
Fort Jackson
LOUISIANA
Baton Rouge
Natchitoches
Fort Jesup
Sabine R.
Red River
Ouachita R.
MISSISSIPPI RIVER
ARKANSAS
Little Rock
Arkansas
Fort Towson
Fort Gibson
Fort Smith
White R.
Memphis
TENNESSEE
Tennessee
Nashville
Cumberland
Knoxville
New Madrid
KENTUCKY
Ohio River
Frankfort
Louisville
Maysville
Scioto
Cincinnati
Chillicothe
Columbus
Zanesville
Wheeling
Steubenville
OHIO
Cleveland
INDIANA
Indianapolis
Wabash
Vincennes
ILLINOIS
Vandalia
Michigan
Chicago
Ft. Dearborn
Rock River
Fort Armstrong
Fort Des Moines
MISSOURI
Jefferson
St. Louis
Jefferson Barracks
Osage River
Missouri River
Fort Leavenworth
Council Bluffs
Fort Calhoun
IOWA
Des Moines River
Fort Crawford
Prairie du Chien
Wisconsin R.
Fort Winnebago
Fox R.
Fort Howard
WISCONSIN
St. Peters
Fort Snelling
Falls of St. Anthony
St. Croix
Brulé
St. Louis
Mississippi River
Red River
LAKE SUPERIOR
Falls of St. Mary
Fort Brady
Fort Mackinac
LAKE MICHIGAN
MICHIGAN
LAKE HURON
L. IROQUOIS
Fort Gratiot
Fort
Detroit
LAKE ERIE
Toronto
L. ONTARIO
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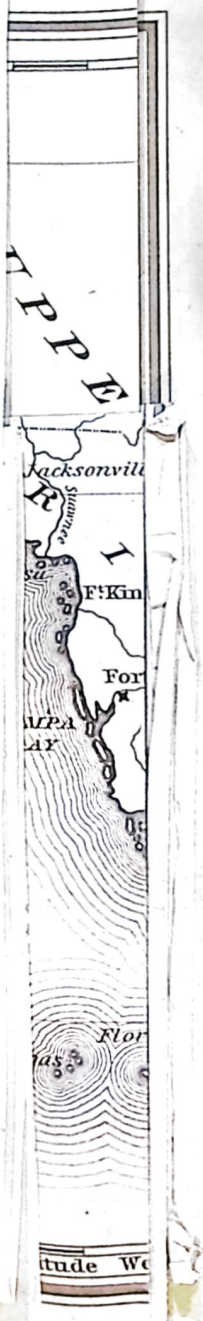
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ARMY METEOROLOGICAL REGISTER.

METEOROLOGICAL REGISTER

FOR THE YEARS

1826, 1827, 1828, 1829, AND 1830;

FROM

OBSERVATIONS

MADE BY THE SURGEONS OF THE ARMY AND OTHERS

AT THE

MILITARY POSTS OF THE UNITED STATES.

PREPARED UNDER THE DIRECTION OF

THOMAS LAWSON, M.D.,
SURGEON-GENERAL UNITED STATES ARMY.

To which is Appended, the METEOROLOGICAL REGISTER for the Years 1822, 1823, 1824, and 1825: Compiled under the direction of

JOSEPH LOVELL, M.D.,
LATE SURGEON-GENERAL OF THE UNITED STATES ARMY.

[PUBLISHED FOR THE USE OF THE MEDICAL OFFICERS OF THE ARMY.]

Philadelphia:
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293 MARKET STREET.
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1840.

LOCAL OFFICE,
U. S. WEATHER BUREAU,
PITTSBURG, PA.
RECEIVED MAR 15 1913

REMARKS.

In 1819, under the direction of the then Secretary of War, a system of meteorological observations was commenced, and zealously prosecuted by the late Surgeon-General; but as the instruments provided never exceeded a thermometer and a rain-guage, the observations, including those upon the course of winds, and other obvious states of the weather, have necessarily had a limited range. The results are consequently less comprehensive than the present state of meteorological science demands. As temperature is, however, the most prominent, and perhaps the controlling, element in the constitution of climate, and as thermometrical observations have been continuously made for twenty years, it would seem a matter of common right that these at least should be placed within reach of the scientific public.

The Meteorological Abstracts, which have served as the basis of the general conclusions deduced, do not embrace more, perhaps, than a third of the materials collected in the Surgeon-General's office. As the observations presented, however, extend over the entire domain of our States and Territories, it may reasonably be assumed that the results exhibit a fair expression of the general laws of our climate, which further research will ultimately confirm.

As meteorology has now become a subject of general interest, the importance of more extended observations is apparent; and the hope is indulged that the medical corps of the army, more especially as many of the military posts afford an opportunity of making observations in regions still in a state of nature, will ere long be furnished with the means of prosecuting more extensive researches, and of keeping pace with the progress of the science.

To the late Surgeon-General, J. Lovell, M.D., under whose efficient control the Medical Bureau was organized, and improved with a steady pace in its various details, pertains the merit of having established a system of reports, thus rendering it practicable to condense the results of years into the forms now presented.

The unpublished records extend as far back as 1820, the period when regular observations were first instituted. In 1826, the late Surgeon-General published Meteorological Abstracts for the years 1822-3-4-5, embracing positions in every region of the United

States. Tables for 1820 and 1821 were also published; but a want of uniformity in the mode of tabular arrangement, has, in a measure, defeated their object.

By direction of Thomas Lawson, M.D., Surg.-General U. S. A., the papers on file in the Medical Department relative to meteorology have been lately examined and arranged. "Diaries of the Weather," from 1820 to 1830 inclusive, have been condensed into tabular abstracts; the last five years being now presented in monthly results.

The thermometrical observations are confined to the superficial temperature of the places; and as the mean of each month is calculated from 90, and of each year from 1095 observations, the tables, it is believed, will give an approximation to the truth as near as can be realized by ordinary observation, and a mean sufficiently correct for every contemplated purpose.

The climate of the United States may be studied under three grand divisions; each of which contains many sub-divisions or systems of climate, determined by the influence of local causes. 1st. The Northern Division, extending as far south as the 39th degree of latitude, a region characterized by the predominance of low temperature. 2d. The Southern Division, in which a high temperature prevails; and 3d. The Middle Division, which exhibits phenomena vibrating to both extremes. These divisions will be regarded, in a great measure, as arbitrary, and are intended, as well to facilitate description, as to express the operation of general laws.

In reference to the sixty-five tables, embracing a period of five years, it may be necessary to remark, that the first twelve tables of each year give the mean of the observations of each month, and the thirteenth, the mean for the whole year. These tabular abstracts are the condensed results of the observations made at various posts, situated between 27° 57′ and 46° 39′ of north latitude, and between 67° 04′ and 95° 43′ of longitude west of Greenwich; embracing an extent of 18° 42′ of latitude, and 28° 39′ of longitude.

The first general division presents the greatest variety of climate. On the sea-coast of New England, the influence of the ocean modifies the range of the thermometer and the mean temperature of the seasons. Advancing into the interior, the extreme range of temperature increases, and the seasons are violently contrasted. Having come within the influence of the lakes, a climate like that of the sea-board is found; and proceeding into the region beyond the modifying agency of these inland seas, an excessive climate is again exhibited. The variations of the *isotheral* and *isocheimal* curves —the lines of equal summer and of equal winter temperature—thus afford a happy illustration of the equalizing tendency of large bodies of water. Hence the former division of the surface of the earth into five zones, as regards its temperature, has been superseded, in scientific inquiries, by a more precise arrangement; places having

the same mean temperature are connected by isothermal lines—the spaces between them are called isothermal zones.

A concise description of the chain of vast lakes or inland seas, which lie in the northern division, may be here properly introduced. The basin of the St. Lawrence is truly a region of "broad rivers and streams," containing, it is estimated, an area of 400,000 square miles, of which 94,000 are covered with water. From the western extremity of Lake Superior to the Gulf of St. Lawrence, the distance is about 1900 miles. These ocean-lakes have been estimated to contain 11.300 cubic miles of water—a quantity supposed to exceed more than half of all the fresh water on the face of the globe. Lakes Huron and Michigan, which have the deepest chasms, have been sounded to the amazing depth of 1800 feet without discovering bottom.

The following table, which gives the mean length, breadth, depth, area, and elevation of these several collections of water, is taken from a recent report made by Douglas Houghton, Esq., State Geologist of Michigan:—

	Mean Length. *Miles.*	Mean breadth. *Miles.*	Mean depth. *Feet.*	Elevation above level of the sea. *Feet.*	Area in square miles.
Lake Superior	400	80	900	596	32,000
Green Bay	100	20	500	578	2,000
Lake Michigan	320	70	1000	578	22,400
Lake Huron	240	80	1000	578	20,400
Lake St. Clair	20	18	20	570	360
Lake Erie	240	40	84	565	9,600
Lake Ontario	180	35	500	232	6,300
St. Lawrence . . .			20		940
					94,000

Having said that the northern division exhibits four striking inflexions of the isotheral and isocheimal lines on the same parallel of latitude, corresponding to certain systems of climate, the data from which these results are obtained will now be given; and the results of each year will be presented in detail. To illustrate the difference of temperature, more especially as regards its distribution among the seasons, between the sea-board and the interior remote from large bodies of water, a comparison of the following posts will be instituted:

Fort Sullivan, lat.	44° 41′	Fort Snelling, lat.	44° 53′
" Wolcott, "	41° 30′	Council Bluffs "	41° 25′
Mean East	43° 06′	Mean West	43° 09′

The data given in the following table are contained in the first twelve Abstracts for 1826; and, for brevity's sake, the terms east and west will be used to distinguish the Atlantic and the interior posts, whilst the latitudes given will be regarded as means of the eastern and western posts respectively.—See Table [A] p. 8.

[A]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
						31.22	28.17	28.17	35.07	41.82	56.77	62.15	69.61	69.39	62.76	52.18	40.38
						24.98	17.57	19.89	32.15	42.86	69.24	74.22	75.40	72.49	59.03	53.17	38.94
Atlantic	43° 6′	48.18	98	-24	122	29.19			44.55			67.05			51.92		
Interior, remote from Lakes . .	43° 9′	48.83	104	-23	127	20.81			48.08			74.04			50.38		

[B]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
						23.41	18.93	17.66	26.32	32.85	50.59	61.14	66.74	63.29	54.84	48.63	35.60
						19.15	13.09	16.15	29.60	37.68	66.76	72.05	73.85	70.24	55.32	49.13	35.29
Fort Mackinac . .	45° 51′	41.67	84	-17	101	20.00			36.59			63.72			46.36		
Fort Snelling . .	44° 53′	44.86	92	-23	115	16.13			44.68			72.05			46.58		

During the winter, the mean of the east is 8.38 *higher* than the west ; during the spring, 3.53 *lower*; during the summer, 6.99 *lower*; and during the autumn, 1.54 higher. In the mean temperature for the year there is but a fractional difference. In the extreme range of the thermometer there is a difference of 5°; but an examination of each month shows the range to be much greater at the interior posts remote from the agency of inland seas.

Lest this striking contrast between the mean temperature of winter and that of summer might be ascribed to the *elevation* of the western posts (being 6 or 700 feet above the level of the sea), a comparison between Forts Mackinac and Snelling, the former situated on the Island of Mackinac, and the latter near the junction of the St. Peters and Mississippi Rivers, will be conclusive upon this point. See Table [B] p. 8.

During the winter, the mean of the former, although 1° north, is 3.87 *higher* than the latter; during the spring, 8.09 lower; during the summer, 8.33 *lower;* and during the autumn nearly equal. As these two posts present little difference of elevation above the level of the ocean, and are in comparative proximity, the fact—that the winters are less rigorous and the summers more temperate, on the Great Lakes—is demonstrated to be owing, as on the ocean, to the equalizing agency of large bodies of water.

The Abstracts of 1827 furnish results corroborative of those of the preceding year. In comparing the Atlantic stations with those in the interior remote from inland seas, the following posts are taken:—

Fort Preble,	lat. 43° 38′	Fort Snelling,	lat. 44° 53′
„ Constitution	„ 43° 04′	„ Armstrong	„ 41° 28′
Mean East	43° 21′	Mean West	43° 10′

—See Table [C] p. 10.

During the winter, the mean of the E. is 2.27 *higher* than the W.; during the spring, 3.85 lower; during the summer, 8.26 *lower;* and during the autumn, 1.71 lower. At the W. the mean temperature of the year is 2.88 higher; and the extreme range of the thermometer is 15° greater.

A comparison between Forts Brady and Snelling, in relation to the influence of the Great Lakes, furnishes results confirmatory of those of the preceding year. See Table [D] p. 10.

During the winter, the mean of the former, although 1° 46′ north of the latter, is 1.76 *higher;* during the spring, it is 8.09 lower; during the summer, 9.84 *lower;* and during the autumn, 2.37 lower. At Fort Snelling the mean annual temperature is 4.64 higher, and the extreme range of the thermometer is 14° greater.

[C]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
						28.58	20.48	25.72	34.72	47.18	53.99	62.33	68.85	65.90	60.98	50.97	33.21
						20.37	19.50	28.11	36.08	47.97	63.38	72.13	76.22	73.50	64.22	50.76	35.31
Atlantic	43° 21′	46.08	95	–8	103	24.93			45.30			65.69			48.39		
Interior, remote from Lakes . .	43° 10′	48.96	96	–22	118	22.66			49.15			73.95			50.10		

[D]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
						20.33	17.36	22.73	25.85	39.39	49.92	59.68	63.60	63.57	58.87	45.12	31.15
						13.01	17.26	24.86	31.74	44.76	62.93	71.95	74.06	70.35	61.02	49.26	31.99
Fort Brady	46° 39′	41.46	84	–20	104	20.14			38.39			62.28			45.05		
Fort Snelling . .	44° 53′	46.10	96	–22	118	18.38			46.48			72.12			47.42		

Having demonstrated three systems of climate, viz.; that of the Atlantic Coast and of the Lakes, which have the extremes of temperature modified, and that of the region beyond the Lakes, characterized by strongly contrasted seasons, it is practicable, this year, by means of the thermometrical observations at West Point, to establish another system of climate. As the climate of the Lakes bears a close similitude to that of the sea-coast, so will this resemble that of the region beyond the Lakes. See Table [E] p. 12.

As West Point, New York, is on the same degree of latitude with Fort Trumbull (New London, Connecticut), and is distant only one and a half degree of longitude, no striking contrast in the results would be, *à priori*, anticipated. It is found, however, that the winters of the former are 4.67 colder, and the summer 1.00 warmer; and that although the mean annual temperature of Fort Trumbull is 1.56 higher, yet the heat is so equably distributed through the seasons that the difference between the mean temperature of winter and summer is only 35.89, whilst that of West Point is 41.56. It is thus seen that the isotheral and isocheimal lines, on leaving the coast, gradually diverge until they come within the influence of the Lakes, when they again converge; and that, having passed beyond the controlling power of these inland seas, their inflexions are once more in adverse directions. Hence it is apparent, that although two places may have the same mean annual temperature, and thus be on the same *isothermal* line; yet, owing to the seasons being nearly uniform or violently contrasted, the climates may be very different.

The Abstracts of 1828 furnish the usual results in regard to the equalizing influence of the Ocean and the Lakes. In the following table, a comparison is made between the same stations as in the prior year. See Table [F] p. 12.

During the winter, the mean of the Atlantic posts is 8.70 higher than that of Forts Snelling and Armstrong; during the spring, it is 2.43 lower; during the summer, 6.90 lower; and during autumn 0.80 higher. In the mean annual temperature, there is but a fractional difference; but the extreme range of the thermometer is 23° greater in the West.

The results obtained from a comparison of Forts Brady and Snelling, confirm the conclusions of prior years. See Table [G] p. 13.

During the winter, the mean temperature of the former is 3.47 higher than the latter; during the spring, it is 2.75 lower; during the summer, 12.61 lower; and during the autumn, 3.08 lower. At Fort Brady the difference between the mean temperature of winter and summer is 40.79, whilst at Fort Snelling it is 56.87.

Between West Point and Fort Trumbull the comparison is found also to quadrate with the general law.

[E]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	Ap ril	May	June	July	Aug.	Sept.	Oct.	Nov.
						34.95	23.31	31.87	40.58	54.66	61.94	69.27	72.98	72.57	65.48	54.45	37.90
						42.24	27.15	34.73	42.35	53.15	59.00	67.25	73.16	71.39	66.75	58.16	41.85
West Point . . .	41° 22′	51.66	101	–10	111	30.04			52.39			71.60			52.61		
Fort Trumbull . .	41° 22′	53.10	88	0	88	34.71			51.50			70.60			55.59		

[F]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
						33.72	28.20	34.61	35.48	43.46	56.05	65.68	70.00	69.51	62.21	49.75	40.99
						29.17	17.35	23.94	33.96	46.64	61.15	73.68	76.62	75.59	59.88	52.20	38.03
Atlantic	43° 21′	48.90	92	–2	94	32.18			44.83			68.40			50.82		
Interior, remote from Lakes . .	43° 10′	49.15	95	–22	117	23.48			47.26			75.30			50.02		

[G]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
						23.74	18.43	20.33	28.73	39.35	61.23	52.80	67.20	64.86	54.85	45.53	34.50
						24.87	10.42	16.80	32.24	45.04	60.28	71.82	76.40	74.46	58.83	50.12	35.18
Fort Brady	46° 39′	42.38	91	-20	111	20.83			43.10			61.62			44.96		
Fort Snelling. . .	44° 53′	46.34	92	-22	114	17.36			45.85			74.23			48.04		

[H]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
						39.67	33.42	39.39	41.77	47.72	61.76	73.85	75.41	76.58	68.64	55.99	45.03
						45.66	41.86	44.33	43.20	48.86	59.43	70.10	74.57	74.84	69.30	58.04	51.54
West Point . . .	41° 22′	54.96	98	6	92	37.49			50.42			75.28			56.55		
Fort Trumbull .	41° 22′	56.89	86	18	68	43.95			50.50			73.20			59.63		

During the winter, the mean of the latter is 6.46 higher than the former; during the spring, it is 0.08 higher; during the summer, 2.08 lower; and during the autumn, 3.08 higher. At West Point, the range of the mercury is 24° greater than at Fort Trumbull.

The Abstracts of 1829 next come under notice. It will be seen that the data of this year lead to the same unvarying conclusions as in all former calculations. See Table [I] p. 15.

During the winter, the mean of the E. is 7.55 higher than the W.; during the spring, 5.41 lower; during the summer, 8.38 lower; and during the autumn 0.33 higher. On the ocean the range of the thermometer is 28° less than in the opposite locality.

The meteorological report from Fort Brady being imperfect, the usual comparative views are precluded. The establishment of a new post, however, at Houlton, in the interior of Maine, allows a more extended inquiry into the system of climate peculiar to the region lying between the sea-coast and the Lakes. The following posts constitute the points of comparison:—

Fort Preble, Maine	43° 38′	Hancock Barracks, Me.	46° 10′
" Constitution, N. H.	43° 04′	West Point, N. York,	41° 22′
Mean lat.	43° 21′	Mean lat.	43° 46′

—See Table [K] p. 15.

During the winter, the mean of the coast is 4.32 higher than the interior; during the spring, 1.49 lower; during the summer, 0.90 lower; and during the autumn, 1.73 higher. On comparing the posts separately, the difference between the summer and winter temperature becomes more apparent. Thus, at Hancock Barracks, it is 47.49, and at Fort Preble 41.66; and at West Point 41.14, and at Fort Constitution 36.55. The extremes of temperature are also indicated by the range of the thermometer; for, whilst the thermometer at Hancock Barracks rises in the summer to 92°, and sinks in the winter 24° below zero, it attains at the Atlantic posts but the same height, and sinks no lower than 6° minus 0.

Lastly, the Abstracts of 1830, (which year constitutes the limit of the present investigation,) come under review. On a comparison of the Atlantic region with the interior beyond the Lakes, using the data of the same posts as in the preceding year, no variation is presented in the results. See Table [L] p. 16.

During the winter, the mean of the E. is 3.23 higher than the W.; during the spring, 5.60 lower; during the summer, 9.67 lower; and during the autumn, 3.01 lower. At the west, the range of the mercury is 14° greater; and, whilst the difference in the mean temperature of summer and winter is 53° 63′, it is but 40.77 on the Atlantic coast.

Resuming the comparison between Forts Brady and Snelling, the deductions of former years are confirmed. See Table [M] p. 16.

[I]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
						39.60	22.59	21.72	31.06	43.96	56.46	63.58	66.85	65.72	55.40	48.37	38.36
						29.84	20.86	9.96	31.21	48.88	67.62	73.88	74.30	73.11	60.35	52.62	28.47
Atlantic	43° 21′	45.71	92	-6	98	27.77			43.83			65.38			47.38		
Interior remote from lakes . . .	43° 10′	47.59	96	-30	126	20.22			49.24			73.76			47.15		

[K]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
						34.60	22.54	21.71	31.06	43.96	56.46	63.58	66.86	65.72	55.90	48.37	38.36
						27.45	19.48	18.99	30.06	45.52	60.37	65.68	66.29	66.90	54.95	47.68	34.32
Atlantic	43° 21′	45.72	92	-6	98	26.29			43.83			65.39			47.38		
Interior, &c. . .	43° 46′	44.81	92	-24	116	21.97			45.32			66.29			45.65		

[L]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
						32.90	21.43	22.04	34.74	47.40	53.59	62.59	69.49	66.62	57.91	50.84	45.28
						21.01	18.82	26.99	37.59	53.89	61.04	71.29	81.51	74.90	60.78	55.87	46.39
Atlantic	43° 21′	47.07	94	–16	110	25.46			45.24			66.23			51.34		
Interior remote from lakes . . .	43° 10′	50.92	98	–26	124	22.27			50.84			75.90			54.35		

[M]

PLACES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
						24.66	13.19	18.67	27.92	46.18	48.48	59.35	71.00	62.33	55.22	49.50	44.08
						15.64	14.18	23.60	34.00	51.77	59.70	70.31	81.66	73.21	58.70	54.74	42.79
Fort Brady . . .	46° 39′	43.38	93	–26	119	18.84			40.86			64.23			49.60		
Fort Snelling . .	44° 53′	48.60	94	–26	120	17.81			48.39			75.06			52.08		

During the winter, the mean of the former is 1.03 higher than the latter,—a difference, which would be much increased were November instead of February taken as a winter month; during the spring, the mean is 7.53 lower; during the summer, 10.83 lower; and during the autumn, 2.48 lower. It thus appears that although Fort Brady, situated at the Sault St. Marie, near the outlet of Lake Superior, is 1° 46′ north of Fort Snelling, at the junction of the St. Peter's and the Mississippi, yet there is a difference of nearly 11° in their isotheral lines.

Of the four subdivisions in the northern region of the United States, two are characterized as *modified* climates and two as *excessive*. With the view to test the accuracy of this proposition in a general comparison, one post has been so selected from each system of climate, that the mean latitude shows a difference of but 15′. Thus, the following stations constitute the points of comparison in the subjoined table:—

Fort Brady, 46° 39′	Hancock Barracks, 46° 10′
" Wolcot, 41° 30′	Fort Armstrong, 41° 28′
Mean lat. 44° 04′	Mean lat. 43° 19′

—See Table [N] p. 18.

During the winter, the mean of the former is 4.12 higher than the latter; during the spring, it is 3.97 lower; during the summer, 4.30 lower; and during the autumn there is but a fractional difference. Between winter and spring the modified climate shows a mean difference of 18.49, whilst that of the excessive climate rises to 26.52; and between winter and summer, it is in the former 41.17 and in the latter 49.59. The table indicates little difference in the extreme range of the thermometer; but, on reference to Abstract No. XIII. for 1830, it will be found that Fort Armstrong, the most *southern* post, exhibits the *highest* range. This phenomenon, which is owing to the circumstance that the position is farthest removed from the agency of large seas, shows that latitude alone constitutes a very uncertain index of the character of climate.

The investigation of the northern division will be now concluded, by giving several abstracts, showing the mean result of the five years' observation. The following table affords a condensed view of all the comparisons instituted between the sea-board and the region beyond the Lakes. See Table [O] p. 18.

During the winter, the mean of the former is 6.05 higher than that of the latter; during the spring, 4.13 lower; during the summer, 8.71 lower; and during the autumn, 0.40 lower. As the winters are colder and the summers warmer in the latter region, it is also shown that the extreme range of the thermometer is 12° greater.

[N]

CLIMATES OF OBSERVATION.	Latitude.	Mean Annual Temperature.	Range of the Thermometer.			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
						31.13	21.33	23.10	32.91	46.36	51.71	61.60	70.67	65.28	57.98	51.96	45.05
						26.08	15.20	21.91	34.32	51.14	57.42	66.51	74.74	70.49	58.42	52.25	44.07
Modified	44° 04′	46.58	93	-26	119	25.18			43.67			66.35			51.66		
Excessive	43° 49′	47.76	98	-24	122	21.06			47.60			70.65			51.57		

[O]

PLACES OF OBSERVATION.	Mean Latitude.	Mean Annual Temperature.	Range of the Thermometer			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
						33.20	24.18	26.45	34.21	44.76	55.37	63.26	68.96	67.43	59.85	50.42	39.73
						25.07	18.82	21.78	34.20	48.05	64.49	75.04	76.81	73.92	60.85	52.92	37.43
Sea-coast	43° 18′	47.19	98	-24	122	27.94			44.78			66.55			50.00		
Region beyond the lakes . . .	43° 10′	48.99	104	-30	134	21.89			48.91			75.26			50.40		

Deeming it unnecessary to give the course of the winds and other states of the weather for each year, an abstract for the whole period is now presented.* See Table [P] p. 20.

The ratios between the seasons on the Atlantic coast and the interior remote from large bodies of water, based on five years' observation, have been thus reduced to numerical expressions. Although fair weather prevails in both regions, a marked difference obtains in regard to the relative proportion. On the sea-coast, the annual ratio of fair days is 202, and in the opposite locality 240; the cloudy days are as 108 to 77; the rainy days are as 45 to 31; and those of snow are as 9 to 16. These ratios, far from being accidental, result from the operation of fixed laws. As the annual quantity of rain depends upon the amount of evaporation, it increases, as a general rule, in proportion as the equator is approached; and in regard to the seasons, the greatest amount falls when the mean monthly temperature is highest. As this augmented quantity in warm maritime countries falls at a particular season, and in a shorter space of time, than in colder regions, the annual number of dry days, particularly in inland districts, is proportionally increased. On the contrary, in the cold or temperate maritime localities now under consideration, different results follow. Although much less in annual quantity than in warmer regions, the rain descends much more frequently, but in slighter showers; and hence, a ready explanation is afforded of the fact, that the number of wet and foggy days on the New England coast is one-half greater than in the dry and cold region beyond the Lakes. Humboldt has given the following table as the proportional quantity of rain in different latitudes:—

Lat.	Mean annual depth of rain.
0	96 inches
19	80 "
45	29 "
69	17 "

In regard to a particular locality, much will also depend upon the prevailing winds; for it has been observed that the number of days in a year during which the winds blow from a certain point of the compass, at a given place, preserves a constant ratio. This follows from the fact that the force and direction of winds depend on general causes, such as the declination of the sun, the configuration of the coast, and the position of neighbouring continents. This fact is illustrated throughout the Abstracts generally. By way of example, the results of three years' observation at Fort Gibson, are annexed. See Table [Q] p. 20.

* As the proportion of winds and weather, throughout all the Abstracts, is calculated for the average of a month, the result for a year may be readily determined.

[P]

PLACES OF OBSERVATION.	Mean Latitude.	WINDS.									WEATHER.				
		N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cloudy.	Rain.	Snow.	Prevailing.
		Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Sea-coast	43° 18′	1.71	5.46	3.47	1.69	2.35	6.36	5.23	4.25	S.	16.89	9.09	3.77	0.79	Fair.
Region beyond the lakes	43° 10′	3.89	3.30	1.51	2.00	2.88	7.16	4.19	6.07	S.	20.04	6.46	2.60	1.36	Fair.

[Q]

FORT GIBSON.	WINDS.									WEATHER.				
	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cloudy.	Rain.	Snow.	Prevailing.
	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
1828	2.08	3.25	1.67	1.50	20.42	0.50	1.00	0.08	S.E.	19.00	9.25	2.08	0.17	Fair.
1829	2.67	3.08	4.83	1.58	13.50	1.17	2.58	1.00	S.E.	18.92	6.67	4.50	0.18	Fair.
1830	1.75	3.08	4.92	2.83	15.00	0.83	1.42	0.58	S.E.	19.17	6.67	4.17	0.42	Fair.

Comparing the seaboard with inland localities remote from Lakes, the contrast in the seasons of winter, spring, and summer, is very remarkable; and the influence of this difference of climate upon the animal economy and the vegetable kingdom, is no less striking; for, as Baron Humboldt remarks,—"a summer of uniform heat excites less the force of vegetation, than a great heat preceded by a cold season."

The following abstract furnishes a condensed view of the numerical results obtained from the preceding annual comparisons between localities in the interior,—the one being under, and the other without, the equalizing influence of inland seas. See Table [R] p. 22.

Fort Snelling, near the junction of the St. Peter's and the Mississippi, constitutes the latter place of observation, and the other point is a mean between Forts Brady and Mackinac, the former situated near the outlet of Lake Superior and the latter on the island of Mackinac. Three years' observations were made at the former and one at the latter. Although the latitude on the Lake is 1° 34' north of the other, and presents a mean annual temperature 4.25 lower, yet the mean winter temperature is 2.54 *higher;* during the spring, the mean temperature is 6.65 *lower;* during the summer, it is 10.40 *lower;* and during the autumn, 2.04 lower. These ratios show a contrast in the seasons no less striking than that exhibited on a comparison with the Atlantic coast. No objection can be urged against this comparative view on the ground of relative elevation, as Fort Brady is 595 feet, and Fort Mackinac 728 feet,* and Fort Snelling 780 feet above the level of tide water.

The following tabular statement of the course of the winds and the state of weather, based on the same years of observation as the abstract just given, will determine whether the agency of the Lakes induces the same meteorological relations, in this respect, as the ocean. See Table [S] p. 22.

On the Lakes, the annual ratio of fair days is 117, and in the opposite locality, 215; the cloudy days are as 127 to 73; the rainy, as 63 to 46; and the snowy as 45 to 29. In the former, the prevailing weather is cloudy, and in the latter it is fair. The ratio of cloudy days is even higher on the Lakes than on the Atlantic coast. As it is of great importance to determine the annual quantity of rain which falls on any point of the earth's surface, it is much to be regretted that more extensive observations have not been made at these posts on the pluviometer.†

* Fort Mackinac is elevated 150 feet above the surface of the Lake.

† Vide Note at end of "Remarks."

[R]

CLIMATES OF OBSERVATION.	Mean Latitude.	Mean Annual Temperature.	Range of the Thermometer.			WINTER.			SPRING.			SUMMER.			AUTUMN.		
						Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.
						23.04	16.98	19.85	27.20	39.44	52.56	58.24	67.13	63.51	55.94	47.19	36.33
						18.17	13.74	20.35	31.90	44.81	62.42	71.53	76.49	72.07	58.47	50.81	36.31
Inland seas	46° 27′	42.22	93	–26	119	19.96			39.73			62.96			46.49		
Remote from seas	44° 53′	46.47	96	–26	122	17.42			46.38			73.36			48.53		

[S]

PLACES OF OBSERVATION.	Mean Latitude.	WINDS.									WEATHER.				
		N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cloudy.	Rain.	Snow.	Prevailing.
		Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Inland seas	46.27	2.39	5.81	3.16	4.56	4.49	2.46	3.58	3.99	N.W.	9.79	11.58	5.27	3.79	Cl'dy.
Remote from seas	44.53	1.46	3.73	1.02	1.31	2.83	4.65	6.68	8.75	W.	17.96	6.15	3.89	2.44	Fair.

The meteorological phenomena of Canada, Nova Scotia, New Brunswick, and Newfoundland, according to the observations of the British Army Surgeons, are in perfect harmony with the laws just illustrated. In Canada, the climate exhibits such sudden alternations of temperature that the mercury at Quebec has been known to fall 70° in the course of 12 hours. Cold weather sets in as early as November, from the end of which month till May the ground remains covered with snow to the depth of three or four feet. When the winds blow with violence from the North-east, the cold become so excessively intense, that the mercury congealed in the thermometer serves no longer to indicate the reduction of temperature. During winter, the general range is from the freezing point to 30° below zero. The seasons do not, as in more temperate regions, glide imperceptibly into each other. In June, July, and August, the heat, which often attains 95° of Fah., is frequently as oppressive as in the West Indies.

The climate of Nova Scotia, although in similar latitudes, exhibits a striking contrast to that of Canada. The temperature is not only modified by its insular position, but the interior of the peninsula "is so much intersected by lakes and bays, that nearly one-third of its surface is under water." The thermometer seldom rises above 88° in summer, or sinks lower than 6° or 8° below zero in winter. Were it practicable to obtain the requisite data, it would be interesting to institute a comparison between the seasons of this region and those of Canada.

The climate of Newfoundland is similar to that of Nova Scotia. The summers, however, owing to the meeting of the icebergs on the coast, are less warm, of shorter duration, and subject to more sudden vicissitudes.

Having illustrated rather minutely the several systems of climate pertaining to the northern division, the necessity of similar details in reference to the other two divisions is superseded. It is the more unnecessary, as Abstracts A, B, C, appended to these "Remarks," will enable one at a glance to trace out the meteorological relations of any region of the United States. The first exhibits the mean temperature of each month, each season and the whole year; the second shows the difference between the mean temperature of each month and season; and the third contains the annual and monthly ranges of temperature. It will be found that the same laws prevail in the middle region of the United States as in the northern, viz., that the seasons grow less uniform in proportion as we recede from the sea-coast. Thus, Washington City and Fortress Monroe, on the one hand, show less difference between the mean temperature of summer and winter than Jefferson Barracks and Fort Gibson on the other; and in examining the annual range of the thermometer and the mean of the monthly ranges, similar contrasts are revealed. No reference was made to the latter mode of comparison in investigating the four systems of climate of the northern division. On applying the rule, however, it

will be found that every principle in relation to modified and excessive climates is happily confirmed. On approaching the southern coast, climate undergoes a striking modification. The seasons glide imperceptibly into each other, exhibiting no great extremes; thus, at Fort Snelling the difference between the mean temperature of the warmest and coldest month is 61° 18′, whilst at Cantonment Brooke, it is no more than 17° 68′. The Peninsula of Florida, however, is wholly peculiar in this respect; the course of vegetable life is unceasing: wild flowers spring up and flourish in the month of January; and so little is the temperature of the lakes and rivers diminished during the winter months, that one may almost at any time bathe in their waters.

The most prominent features of climate exhibited throughout the United States have thus been referred to in a general way. As these systems of climate consist of numerous subdivisions, which can be determined only by observation, a *comparative* view of them remains a desideratum; but the hope may be indulged, from present indications, that materials will in a few years be furnished for the composition of a complete meteorological chart, in which they may be systematically arranged.

The following tabular statement shows the mean annual temperature of various places, and the number of years upon which the results are based, with their locality, latitude, longitude, and height above the level of the sea. The table extends over a period of eleven years, but it does not perhaps embrace a moiety of the results that may be obtained from the observations of the same period. The elevation of some interior posts above tide-water, could not be ascertained, whilst the heights of those given are merely approximations:—

[T]

No.	PLACES OF OBSERVATION.	POSITION.			No. of years of observ.	Mean annual temp.
		Lat.	Long.	No. of ft. ab'e the level of ocean.		
1	Fort Brady (*outlet of L. Superior*)	46°39′	84°43′	595	6	41°89′
(2)	Hancock Barracks (*Me.*)	46 10	67 50		2	41 21
2	Fort Mackinac (*Isle of Mackinaw*)	45 51	85 05	728	2	40 56
3	,, Snelling (*near the junction of St. Peter's and Mississippi*)	44 53	93 08	780	10	45 34
4	,, Sullivan (*Eastport, Me.*)	44 44	67 04		5	42 97
5	Plattsburgh (*L. Champlain*)	44 41	73 26		1	47 01
6	Fort Howard (*Green Bay*)	44 40	87 00	600	9	44 93
7	Madison Barracks, Sackett's Harbour (*L. Ontario*)	43 57	76 04	250	1	48 60
8	Fort Preble (*Portland, Me.*)	43 38	70 18		5	46 34
9	,, Niagara (*Youngstown, N. Y.*)	43 15	79 05	250	2	51 69
10	,, Constitution (*Portsmouth, N.H.*)	43 04	70 49		4	47 21
11	,, Crawford (*Prairie du Chien, Wiscon.*)	43 03	90 53	580	4	45 65
12	,, Independence (*Boston*)	42 22	71 02		1	46 24
13	,, Wolcott (*Newport, R. I.*)	41 30	71 18		10	50 55
14	,, Armstrong (*Rock Island, Ill.*)	41 28	90 33		4	51 63
15	Council Bluffs (*near the junction of Platte and Missouri*)	41 45	96 00	800	6	50 50
16	West Point (*N. Y.*)	41 22	73 57		4	52 47
17	Fort Trumbull (*N. London, Con.*)	41 22	72 05		2	55 00
18	,, Columbus (*N. Y. Harbour*)	40 42	74 02		9	53 00
19	Alleghany Arsenal (*Pittsburgh*)	40 26	80 02	704	1	53 69
20	Fort Mifflin (*near Phikadelphia*)	39 51	75 12		2	55 28
21	,, Delaware (*near New Castle*)	39 35	75 29		1	56 71
22	,, Severn (*Annapolis, Md.*)	38 58	76 27		2	56 40
23	Washington (*D. C.*)	38 53	76 55		8	56 57
24	Fort Washington (*Md.*)	38 41	76 58		1	58 02
25	Jefferson Barracks (*Mo.*)	38 28	90 08		4	58 14
26	F's Monroe (*Old Point Comfort, Va.*)	37 02	76 12		5	61 43
27	Fort Norfolk (*Va.*)	36 51	76 11		1	63 28
28	,, Gibson (*Arkansas.*)	35 47	95 10		3	62 90
29	,, Johnston (*Coast of N. C.*)	34 00	78 05		7	66 89
30	Augusta Arsenal (*Ga.*)	33 28	81 53		5	66 01
31	Fort Moultrie (*Charleston Harbour*)	32 42	79 56		3	64 49
32	,, Jesup (*near Sabine River, La.*)	31 30	93 47		8	67 94
33	Cantonment Montpelier (*Ala.*)	31 11	87 57		1	67 47
34	Fort Scott (*Ga.*)	30 49	84 47		1	68 54
35	Fernandina (*Amelia Island*)	30 40	81 37		2	70 06
36	Baton Rouge (*La.*)	30 26	91 18		1	68 07
37	Canton. Clinch (*near Pensacola*)	30 24	87 14		7	69 44
38	Petite Coquille (*near N. Orleans*)	30 10	89 38		4	71 25
39	Fort Gadsden (*Fl.*)	29 56	85 05		1	69 54
40	New Orleans (*La.*)	29 57	90 14		1	72 36
41	Fort Marion (*St Augustine, Fl.*)	29 50	81 27		4	72 49
42	,, St. Philip (*La.*)	29 29	89 71		1	70 45
43	Cant. Brooke (*Tampa Bay, Fl.*)	27 57	82 35*		5	72 80

* These degrees of latitude and longitude are in most cases merely approximations.

A reference to abstracts A, B, C, giving the ratios of the mean temperature of months and seasons, and to the tables comparative of positions on the Atlantic, the Lakes, and in the interior remote from such agencies, will illustrate pretty fully the diversities of our climate.

Although the extremes of annual temperature may occur at our most northern and southern posts, yet we do not there find the extremes of heat and cold. The tabular statement exhibiting the hottest and coldest day in each year, from 1820 to 1830, inclusive, given below, establishes this position. See table [U] p. 27. As the western posts, Snelling, Gibson, Council Bluffs, &c., remote from inland seas, are remarkable for extremes of winter and summer, so do they exhibit the hottest and coldest days and the greatest range of the thermometer. Forts Brady and Mackinac, the most northern stations, show, by a lesser range of the thermometer, the equalizing influence of the Lakes; whilst the Atlantic posts illustrate the controlling power of the ocean. In elucidation of the same law, we find that the mean summer temperature is greater at Augusta, Ga., than at St. Augustine or Tampa Bay, Florida. A reference to the subjoined tabular review, and to Abstracts A, B, C, showing the numerical ratios of the mean temperature of each month and season, and the annual and monthly ranges of temperature, will exhibit in strong contrast the diversities in these *particular systems* of climate. In Africa, the mercury is sometimes seen at 125°, and in British India it is said to have been as high as 130°. In the table of the highest temperature observed in different climates, as given by M. Arago, it is noted at 130° in the Oasis of Mourzouk. In our own Diaries, it is marked at 116°, on the 15th August, 1834, at Fort Gibson.* As no register-thermometers have been used at our posts, the range throughout the 24 hours may be greater than that given in the Diaries. The interor posts remote from Lakes, are denoted in the subjoined table [U] by an asterisk; whilst those on lakes, or the sea-board and its vicinity, are without any sign.

This table confirms the position that extremes of temperature are found as we approach the interior of a continent, unless modified by inland seas. Even along our southern coast the extreme of heat is less than on our more northern sea-board. The United States, it has been seen, present numerous *systems of climate* in which the division of the annual heat among the different seasons exhibits remarkable diversity.

* According to Assistant Surgeon J. B. J. Wright.

PLACES OF OBSERVATION.	Lat.	Lowest degree.	Highest degree.
1820.			
*Fort Snelling	44°53′	–30	93
Portsmouth (*N. H.*)	43 04	–3	94
*Prairie du Chien (*Wi.*)	43 03	–23	99
Boston Harbour	42 22	–1	98
*Council Bluffs	41 25	–22	105
New London (*Con.*)	41 22	8	88
Fort Johnston (*N. C.*)	34 00	28	90
New Orleans	29 57	35	92
1821.			
*Fort Snelling	44 53	–32	92
Portland (*Me.*)	43 38	–18	94
Portsmouth (*N. H.*)	43 04	–12	90
*Prairie du Chien (*Wi.*)	43 03	–36	91
Boston Harbour	42 22	–10	99
*Fort Armstrong (*Ill.*)	41 28	–28	94
*Council Bluffs	41 25	–13	100
Fort Johnston (*N. C.*)	34 00	30	89
Fort St. Philip (*La.*)	29 29	32	92
1822.			
*Fort Snelling	44 53	–29	92
Portland (*Me.*)	43°38′	–10	96
Portsmouth (*N. H.*)	43 04	–7	86
*Prairie du Chien	43 03	–22	94
*Fort Armstrong (*Ill.*)	41 28	–15	94
Boston Harbour	42 22	–7	92
*Council Bluffs	41 25	–17	108
Fort Johnston (*N. C.*)	34 00	26	90
Cant. Clinch (*n'r Pens.*)	30 24	20	93
1823.			
Fort Brady	46 39	–30	90
*Fort Howard (*Wis.*)	44 40	–38	100
Eastport (*Me.*)	44 44	–10	90
Boston Harbour	42 22	–3	97
*Council Bluffs	41 25	–16	102
N. York Harbour	40 42	3	91
Charleston Harbour	32 42	19	89
Cant. Clinch (*n'r Pens.*)	30 24	11	94
1824.			
Fort Brady	46 39	–33	84
*Fort Snelling	44 53	–27	
Eastport (*Me.*)	44°44′	–19	86
*Prairie du Chien	43 03	–28	96
Boston Harbour	42 22	–8	90
*Council Bluffs	41 25	–21	103
N. York Harbour	40 42	2	96
Charleston Harbour	32 42	24	91
Cant. Clinch (*n'r Pens.*)	30 24	24	95
1825.			
Fort Brady	46 39	–21	89
Eastport (*Me.*)	44 44	–5	94
*Fort Howard	44 40	–25	100
Boston Harbour	42 22	–5	98
*Council Bluffs	41 25	–11	102
N. York Harbour	40 42	–3	104
Charleston Harbour	32 42	28	94
St. Augustine	29 50	42	94
1826.			
Fort Brady	46 39	–37	—
*Fort Mackinac	45 51	–31	82

☞Eastport is north of Fort Howard.

☞Boston is north of Fort Howard.

REMARKS.

Table [U] *continued.*

PLACES OF OBSERVATION.	Lat.	Lowest degree.	Highest degree.
*Fort Snelling	44°53′	–23	92
Eastport	44 44	–24	98
*Fort Howard	44 40	–30	100
Boston Harbour	42 22	–10	98
*Fort Armstrong	41 28	–18	90
*Council Bluffs	41 25	–16	104
N. York Harbour	40 42	1	97
Fort Johnston	34 00	28	86
Tampa Bay (*Fl.*)	27 57	28	92
1827.			
*Fort Snelling	44 53	–22	96
Eastport	44 44	–4	89
*Sackett's Harbour	43 57	–27	82
Boston Harbour	42 22	–7	94
*Fort Armstrong	41 28	–6	94
*Council Bluffs	41 25	–12	—
*West Point	41 22	–10	101
N. York Harbour	40 42	0	96
*Augusta (*Ga.*)	33 28	26	102
Charleston Harbour	32 42	16	89
Tampa Bay	27 57	26	94

PLACES OF OBSERVATION.	Lat.	Lowest degree.	Highest degree.
1828.			
Fort Brady	46°39′	–20	91
*Fort Snelling	44 53	–22	92
Eastport	44 44	–10	85
*Prairie du Chien	43 03	–11	97
Boston Harbour	42 22	3	94
N. York Harbour	40 42	9	90
*Jefferson Barracks	38 28	10	100
*Fort Gibson	35 30	19	101
Fort Johnston	34 00	42	86
Tampa Bay	27 57	50	94
1829.			
*Hancock Barracks	46 10	–24	92
*Fort Snelling	44 53	–30	90
Eastport	44 44	–16	82
*Fort Howard	44 40	–32	92
Boston Harbour	42 22	–4	88
*Fort Armstrong	41 28	–16	96
N. York Harbour	40 42	7	95
*Fort Leavenworth	39 25	–22	95

PLACES OF OBSERVATION.	Lat.	Lowest degree.	Highest degree.
*Jefferson Barracks	38°28′	1	97
*Fort Gibson	35 30	0	106
Fort Johnston	34 00	21	86
Charleston Harbour	32 42	22	100
Tampa Bay	27 57	28	92
1830.			
Fort Brady	46 39	–26	93
*Fort Snelling	44 53	–26	94
Eastport	44 44	–14	93
*Fort Howard	44 40	–26	100
*Prairie du Chien	43 03	–23	94
Boston Harbour	42 22	–4	93
*Fort Armstrong	41 28	–24	98
N. York Harbour	40 42	5	98
*Council Bluffs	41 25	—	105
Fort Severn (*Annapolis*)	38 58	10	100
*Jefferson Barracks	38 28	–5	98
*Fort Gibson	35 30	3	107
Charleston Harbour	32 42	20	94
Tampa Bay	27 57	30	92

☞Council Bluffs is north of New York.

METEOROLOGICAL REGISTER.

MONTHLY ABSTRACTS.

No. I. JANUARY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'y.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Mackinac	16.96	21.19	18.64	18.93	40	-17	57	6	4	2	1	2	8	-	8	S.	8	8	4	11	Cl'dy.
Fort Snelling	10.19	15.12	13.96	13.09	42	-23	65	-	3	-	2	4	4	8	10	W.	18	5	2	6	Fair.
Fort Sullivan	20.80	26.54	22.16	23.17	44	-24	68	5	5	2	2	-	3	4	10	W.	14	13	1	3	Cl'dy.
Fort Howard	18.41	21.74	17.41	19.19	47	-20	67	-	5	-	-	-	-	21	5	S.W.	15	10	2	4	"
Fort Wolcott	29.32	34.74	35.41	33.16	50	2	48	1	11	2	-	4	-	10	3	N.W.	14	10	5	2	"
Council Bluffs	15.48	31.16	19.51	22.05	60	-16	76	16	1	2	1	-	8	2	1	N.	18	13	-	-	Fair.
Fort Columbus	25.77	32.58	28.32	28.89	48	-1	49	-	13	3	1	1	2	6	5	N.W.	16	5	7	3	"
Fort Delaware	32.25	39.93	33.28	35.15	62	8	54	-	14	10	-	1	-	6	-	N.W.	24	5	1	1	"
Washington city	31.00	41.00	35.00	35.66	60	0	60	-	8	7	-	3	3	6	4	N.W.	22	4	3	2	"
Fortress Monroe	40.90	46.29	43.48	43.55	62	21	41	1	8	4	4	2	-	9	3	S.W.	17	9	4	1	"
Fort Johnston	44.16	50.61	47.64	47.47	67	30	37	5	14	1	3	-	4	1	3	N.W.	19	6	6	-	"
Augusta Arsl.	46.12	50.58	49.03	48.57	64	28	36	-	5	-	8	1	1	8	8	S.W.	13	10	7	1	Cl'dy.
Canton. Jesup	44.03	47.39	49.03	46.82	78	14	64	8	3	-	2	5	4	3	6	N.	18	2	10	1	Fair.
Canton. Clinch	47.51	55.93	50.92	51.45	68	24	44	-	10	1	2	6	5	7	-	N.W.	19	2	8	2	"
New Orleans	45.25	60.87	53.48	53.20	77	25	52	6	2	6	4	9	-	3	1	E.	19	5	7	-	"
St. Augustine	54.74	59.10	56.22	56.48	67	44	23	-	2	18	-	3	-	2	6	N.E.	17	11	3	-	"
Canton. Brooke	53.09	64.64	54.19	57.31	80	40	40	-	9	-	5	2	1	7	7	N.W.	25	3	3	-	"

No. II. FEBRUARY.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. A.M. VII.	P.M. II.	P.M. IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Mackinac	13.67	21.92	17.39	17.66	38	-8	46	4	5	-	1	2	4	1	11	W.	14	6	1	7	Cl'dy.
Fort Snelling	8.92	26.07	13.46	16.15	50	-20	70	-	5	-	-	1	7	12	3	S.W.	16	4	1	7	Fair.
Fort Sullivan	18.46	27.50	22.21	22.72	48	-20	68	-	5	5	1	1	2	6	8	W.	12	11	2	3	Cl'dy.
Fort Howard	14.96	26.42	15.17	18.85	46	-32	78	2	4	1	-	-	2	16	3	S.W.	17	7	-	4	Fair.
Fort Wolcott	31.39	36.00	33.50	33.63	53	7	46	-	9	4	1	4	-	9	1	N.W.	12	3	10	3	Cl'dy.
Council Bluffs	14.46	35.21	21.25	23.64	58	-10	68	12	1	-	2	2	8	2	1	N.	21	3	-	4	Fair.
Fort Columbus	27.17	35.25	31.51	31.31	55	1	54	3	6	4	1	-	3	5	6	N.W.	14	5	5	4	Equal.
Fort Delaware	31.71	43.92	35.65	37.09	56	20	36	-	9	6	-	2	-	11	-	S.W.	10	11	7	-	"
Washington city	36.00	47.00	41.00	41.33	68	11	57	2	4	6	-	3	1	12	-	S.W.	18	6	4	-	Fair.
Fortress Monroe	45.14	51.75	47.82	48.23	63	32	31	1	3	3	5	8	1	7	-	S.E.	14	4	10	-	Equal.
Fort Johnston	52.92	58.98	57.25	56.38	70	42	28	7	5	1	2	1	5	-	7	N.	10	11	7	-	"
Augusta	51.64	59.64	57.35	56.21	76	37	39	2	2	2	6	4	-	5	7	W.	17	5	6	-	Fair.
Canton. Jesup	47.39	66.21	59.67	57.76	79	28	51	7	1	6	4	5	2	2	1	N.	18	-	10	-	"
Canton. Clinch	54.60	62.75	58.78	58.71	72	38	34	-	6	2	2	12	3	3	-	S.E.	10	5	13	-	Cl'dy.
New Orleans	58.25	68.78	62.67	63.27	84	42	42	1	3	8	5	2	2	2	5	S.E.	13	15	-	-	"
St. Augustine	63.21	67.14	64.60	64.98	77	52	25	4	1	9	1	5	3	-	5	N.E.	18	5	5	-	Fair.
Canton. Brooke	62.28	77.50	68.85	69.54	88	58	30	-	5	1	8	6	2	3	3	E.	25	-	3	-	"

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Mackinac	23.22	29.93	25.83	26.32	41	-8	49	7	2	10	7	1	2	1	1	N.E.	12	11	1	7	Cl'dy.
Fort Snelling	21.32	39.19	28.29	29.60	56	-4	60	1	3	-	2	8	4	2	11	W.	16	5	2	8	Fair.
Fort Sullivan	27.35	36.83	29.32	31.17	49	9	40	1	8	2	6	2	3	3	6	N.W.	12	15	2	2	Cl'dy.
Fort Howard	22.09	38.93	27.16	29.39	56	0	56	-	-	23	-	-	-	6	2	N.E.	14	10	2	5	„
Fort Wolcott	34.58	44.29	38.06	38.98	60	17	43	3	10	6	1	6	-	5	-	N.W.	11	9	11	-	„
Council Bluffs	28.77	41.80	33.55	34.71	70	6	64	12	2	5	1	4	6	-	1	N.	15	10	3	3	„
Fort Columbus	33.32	42.77	36.93	37.67	67	17	50	-	12	1	7	-	6	3	2	N.W.	14	4	12	1	„
Fort Delaware	35.41	47.09	36.00	39.50	54	30	24	-	3	5	-	11	-	12	-	S.W.	11	9	10	1	„
Washington city	43.00	55.00	49.00	49.00	78	36	42	1	11	14	-	2	3	-	-	N.E.	20	5	6	-	Fair.
Fortress Monroe	52.16	58.38	54.09	54.87	73	39	34	7	-	6	3	6	1	6	2	N.	14	9	8	-	Cl'dy.
Fort Johnston	60.12	65.87	63.25	63.08	78	42	36	11	4	-	-	1	8	3	4	N.	20	5	6	-	Fair.
Augusta Arsl.	61.77	69.61	66.25	65.87	80	44	36	2	1	2	4	1	5	13	3	S.W.	25	3	3	-	„
Canton. Jesup	63.16	75.70	66.61	68.49	88	40	48	3	7	7	4	9	-	1	-	S.E.	19	12	-	-	„
Canton. Clinch	62.93	72.00	67.25	67.46	76	48	28	2	8	-	-	7	10	4	-	S.	21	-	10	-	„
New Orleans	67.29	76.58	68.25	70.71	82	52	30	5	1	1	8	8	6	2	-	E.	19	7	5	-	„
St. Augustine	68.61	73.19	70.09	70.63	78	59	19	-	2	12	-	9	-	3	5	N.E.	25	4	2	-	„
Canton. Brooke	68.20	81.03	69.48	72.90	88	54	34	-	4	7	2	5	1	8	4	S.W.	28	-	3	-	„

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Mackinac	29.80	36.23	32.53	32.85	46	10	36	4	3	3	6	-	4	2	8	W.	11	7	8	4	Cl'dy.
Fort Snelling	31.90	45.93	35.20	37.68	60	4	56	-	1	-	5	4	1	9	10	W.	14	9	4	3	"
Fort Sullivan	35.14	47.80	35.90	39.61	60	16	44	3	8	-	2	-	9	3	5	S.	16	13	1	-	Fair.
Fort Howard	30.10	52.03	36.40	39.51	68	4	64	-	-	7	1	-	-	21	1	S.W.	14	11	4	1	Cl'dy.
Fort Wolcott	39.50	49.20	42.60	44.03	64	21	43	-	12	5	-	5	-	8	-	N.W.	13	7	6	4	"
Council Bluffs	40.86	57.00	46.00	47.95	88	13	75	9	6	-	-	3	11	-	1	S.	11	14	4	1	"
Fort Columbus	38.26	49.23	42.33	43.27	63	20	43	2	7	3	3	5	5	5	-	N.W.	13	11	4	2	"
Fort Delaware	42.13	55.86	39.33	45.77	70	26	44	1	9	1	-	5	-	14	-	S.W.	21	7	1	1	Fair.
Washington city	47.66	59.83	52.60	53.36	81	31	50	4	7	8	-	3	4	3	1	N.	17	5	7	1	"
Fortress Monroe	54.23	59.66	56.00	56.63	76	34	42	2	2	2	7	7	4	3	3	E.	18	6	6	-	"
Fort Johnston	63.46	68.86	66.55	66.29	79	46	33	8	3	1	-	-	13	2	3	S.	22	5	3	-	"
Augusta Arsl.	64.00	71.60	68.69	68.09	84	51	33	-	1	1	4	3	4	9	8	S.W.	21	4	5	-	"
Canton. Jesup	65.46	76.90	68.33	70.23	88	40	48	5	4	8	3	9	1	-	-	S.E.	17	6	7	-	"
Canton. Clinch	67.33	74.73	70.10	70.72	82	44	38	-	5	-	-	6	2	17	-	S.W.	23	-	7	-	"
New Orleans	70.16	78.23	69.23	72.54	88	52	36	3	2	5	9	3	2	3	3	E.	16	12	2	-	"
St. Augustine	72.93	76.40	73.23	74.19	84	60	24	1	-	10	3	3	1	9	2	N.E.	24	4	2	-	"
Canton. Brooke	67.80	83.06	73.46	74.77	86	62	24	-	3	4	6	5	1	1	10	W.	26	3	1	-	"

No. V. MAY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Mackinac	48.12	53.45	50.22	50.59	70	32	38	2	1	-	13	-	4	2	9	E.	15	4	12	-	Cl'dy.
Fort Snelling	63.51	74.38	62.38	66.76	89	36	53	-	1	-	1	7	11	7	4	S.	21	-	10	-	Fair.
Fort Sullivan	48.77	66.22	46.90	53.96	90	38	52	2	4	-	6	1	11	5	2	S.	22	6	3	-	"
Fort Howard	52.06	76.61	58.38	62.35	94	36	58	-	-	15	-	-	-	16	-	S.W.	16	10	5	-	"
Fort Wolcott	54.54	66.03	58.16	59.58	76	44	32	-	4	3	-	5	-	18	1	S.W.	16	13	2	-	"
Council Bluffs	62.97	83.45	68.74	71.72	98	44	54	2	1	1	1	2	23	1	-	S.	20	10	1	-	"
Fort Columbus	59.12	74.96	60.58	64.88	91	44	47	1	1	-	2	3	19	5	-	S.	26	5	-	-	"
Fort Delaware	65.13	78.45	64.82	69.46	89	54	35	-	3	-	-	5	1	21	1	S.W.	26	2	3	-	"
Washington city	64.16	81.64	74.48	73.42	93	56	37	1	6	6	1	5	3	7	2	S.W.	22	5	4	-	"
Fortress Monroe	68.80	74.83	71.09	71.57	84	58	26	1	-	3	2	9	4	7	5	S.E.	19	9	3	-	"
Fort Johnston	72.19	78.29	72.54	74.34	82	64	18	8	1	1	-	-	8	5	8	S.	27	3	1	-	"
Augusta Arsl.	71.29	81.93	79.16	77.46	90	61	29	2	3	3	1	5	3	14	-	S.W.	26	-	5	-	"
Canton. Jesup	75.41	83.67	74.64	77.91	91	56	35	-	2	2	4	6	12	5	-	S.	19	2	10	-	"
Canton. Clinch	73.80	83.06	77.38	78.08	92	66	26	-	3	4	-	5	9	10	-	S.W.	24	1	6	-	"
New Orleans	71.12	85.45	76.25	77.61	92	62	30	6	1	4	4	4	8	3	1	S.	27	4	-	-	"
St. Augustine	77.19	80.41	77.19	78.26	84	75	9	2	4	11	1	9	-	4	-	N.E.	27	2	2	-	"
Canton. Brooke	75.67	87.35	76.19	79.74	90	62	28	-	1	3	11	7	3	2	4	E.	23	-	8	-	"

No. VI. JUNE.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Mackinac	57.46	66.30	59.76	61.14	84	48	36	3	2	-	10	-	4	-	11	W.	11	7	12	-	Rain.
Fort Snelling	71.13	78.53	66.50	72.05	92	56	36	1	3	-	2	3	5	5	11	W.	14	6	10	-	Cl'dy.
Fort Sullivan	54.93	72.13	53.16	60.07	85	45	40	1	4	2	2	1	11	9	-	S.	23	6	1	-	Fair.
Fort Howard	58.63	82.10	62.93	67.89	98	44	54	1	-	14	-	-	-	14	1	S.W.	14	11	5	-	Cl'dy.
Fort Wolcott	61.43	68.66	62.63	64.24	82	51	31	-	1	5	1	4	-	19	-	S.W.	13	5	12	-	"
Council Bluffs	69.06	88.13	71.90	76.40	99	58	41	4	5	5	1	3	10	2	-	S.	23	5	2	-	Fair.
Fort Columbus	66.66	76.56	66.00	69.77	95	51	44	-	3	3	4	7	3	8	2	S.W.	17	8	5	-	"
Fort Delaware	70.23	86.56	72.90	76.56	94	66	28	-	1	5	2	7	4	8	3	S.W.	15	7	8	-	Equal.
Washington city	69.23	85.66	74.66	76.51	95	64	31	2	3	8	-	3	2	11	1	S.W.	14	10	6	-	Cl'dy.
Fortress Monroe	75.86	81.00	77.20	78.02	90	69	21	-	2	2	4	13	2	6	1	S.E.	17	7	6	-	Fair.
Fort Johnston	79.03	83.73	81.10	81.28	86	71	15	7	5	-	-	-	16	1	1	S.	27	2	1	-	"
Augusta Arsl.	76.66	87.43	73.70	79.26	94	70	24	-	8	2	-	2	3	14	1	S.W.	17	1	12	-	"
Canton. Jesup	76.66	85.66	77.13	79.82	90	71	19	-	2	6	8	4	4	6	-	E.	18	2	10	-	"
Canton. Clinch	77.83	82.26	79.80	79.96	90	74	16	2	4	3	-	1	1	18	1	S.W.	11	-	19	-	Rain,
New Orleans	82.40	87.40	79.93	83.24	93	75	18	5	3	2	3	4	5	4	4	S.	21	7	2	-	Fair.
St. Augustine	81.40	84.16	81.26	82.27	92	80	12	-	4	17	-	6	2	1	-	N.E.	20	3	7	-	"
Canton. Brooke	77.80	88.53	71.00	79.11	90	74	16	-	3	-	8	3	8	7	1	E.	10	2	17	1	Rain.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. A.M. VII.	P.M. II.	P.M. IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Mackinac	63.54	71.87	64.90	66.74	82	54	28	4	6	2	-	1	6	3	9	W.	20	3	8	-	Fair.
Fort Snelling	72.35	80.71	68.48	73.85	90	57	33	1	2	-	-	1	6	12	9	S.W.	21	3	7	-	"
Fort Sullivan	59.67	80.80	60.83	66.90	98	52	46	3	2	-	-	-	23	-	3	S.	22	9	-	-	"
Fort Howard	61.12	84.90	66.19	70.74	100	48	52	-	-	12	1	-	-	18	-	S.W.	25	4	2	-	"
Fort Wolcott	68.90	77.16	70.93	72.33	85	61	24	2	2	6	-	3	-	18	-	S.W.	19	6	6	-	"
Council Bluffs	70.25	87.93	72.67	76.95	104	60	44	3	6	-	-	4	15	1	2	S.	19	10	2	-	"
Fort Columbus	71.96	84.96	70.90	75.94	97	62	35	2	8	3	-	1	-	14	3	S.W.	27	-	4	-	"
Fort Delaware	75.29	80.64	77.25	77.72	89	70	19	-	4	5	-	6	6	8	2	S.W.	16	6	9	-	"
Washington city	69.45	87.35	75.64	77.48	95	58	37	4	10	4	-	5	2	6	-	N.W.	17	10	4	-	"
Fortress Monroe	77.74	82.90	79.32	79.98	91	71	20	-	2	2	4	11	1	10	1	S.E.	23	2	6	-	"
Fort Johnston	79.58	83.87	81.38	81.61	88	74	14	-	2	2	4	11	1	10	1	S.E.	23	2	6	-	"
Augusta Arsl.	77.70	87.93	84.29	83.30	94	71	23	-	1	3	4	6	6	11	-	S.W.	11	10	10	-	Cl'dy.
Canton. Jesup	80.80	89.74	85.80	85.45	97	69	28	1	2	5	3	7	6	5	2	S.E.	24	3	4	-	Fair.
Canton. Clinch	80.06	87.09	81.48	82.88	93	76	17	1	3	5	1	4	3	12	2	S.W.	17	2	12	-	"
New Orleans	83.87	89.67	81.87	85.14	96	78	18	6	2	3	8	2	6	-	4	E.	14	17	-	-	Cl'dy.
St. Augustine	83.06	86.48	82.96	84.16	92	78	14	-	4	17	-	5	1	4	-	N.E.	20	7	4	-	Fair.
Canton. Brooke	78.45	87.74	78.45	81.55	92	72	20	-	1	2	-	4	6	9	9	S.W.	19	1	11	-	"

No. VIII. AUGUST.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Mackinac	60.74	68.48	60.64	63.29	82	50	32	3	3	3	3	5	5	3	6	W.	18	2	11	-	Fair.
Fort Snelling	69.51	76.54	64.67	70.24	87	54	33	-	6	-	-	5	3	8	9	W.	17	7	7	-	"
Fort Sullivan	62.87	77.67	62.06	67.53	87	50	37	3	-	8	4	1	10	3	2	S.	8	21	2	-	Cl'dy.
Fort Howard	60.00	80.35	64.38	68.24	92	52	40	-	3	5	2	1	1	14	5	S.W.	25	4	2	-	Fair.
Fort Wolcott	68.22	74.77	70.80	71.26	79	57	22	2	1	12	-	5	1	10	-	N.E.	7	7	17	-	Rain.
Council Bluffs	68.06	85.64	70.54	74.75	98	58	40	7	4	2	1	-	15	2	-	S.	18	13	-	-	Fair.
Fort Columbus	71.67	82.87	73.16	75.90	94	66	28	-	4	10	2	9	-	6	-	N.E.	24	2	5	-	"
Fort Delaware	74.06	78.03	76.00	76.03	87	70	17	3	3	2	3	5	4	11	-	S.W.	19	2	10	-	"
Washington city	68.25	86.16	74.35	76.25	96	62	34	2	5	11	2	2	2	6	1	N.E.	11	17	3	-	Cl'dy.
Fortress Monroe	76.97	82.32	78.70	79.33	92	70	22	2	1	6	2	7	1	8	4	S.W.	19	4	8	-	Fair.
Fort Johnston	79.16	82.48	80.64	80.76	86	74	12	11	4	1	-	-	3	10	2	N.	18	9	4	-	"
Augusta Arsl.	77.25	85.35	81.06	81.22	93	75	18	2	-	6	5	7	5	6	-	S.E.	10	9	12	-	Rain.
Canton. Jesup	78.25	89.74	83.96	83.98	100	60	40	9	6	7	1	2	2	3	1	N.	23	6	2	-	Fair.
Canton. Clinch	78.19	86.32	81.19	81.90	92	73	19	-	7	6	-	4	3	11	-	S.W.	17	-	14	-	"
New Orleans	85.38	88.90	81.16	85.15	94	76	18	10	1	2	1	-	-	1	16	W.	13	18	-	-	Cl'dy.
St. Augustine	81.61	84.19	82.06	82.62	90	76	14	-	3	15	-	-	-	9	4	N.E.	16	9	6	-	Fair.
Canton. Brooke	77.74	84.51	77.93	80.06	90	72	18	-	5	1	-	-	4	9	12	W.	17	1	13	-	"

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Mackinac	53.30	58.16	53.06	54.84	70	40	30	4	1	5	-	3	11	1	5	S.	12	5	13	-	Cl'dy.
Fort Snelling	49.96	63.20	52.80	55.32	78	40	38	1	2	-	1	4	1	10	11	W.	12	4	14	-	Rain.
Fort Sullivan	55.36	68.93	54.80	59.70	82	44	38	5	1	2	-	-	6	12	4	S.W.	21	7	2	-	Fair.
Fort Howard	51.20	64.13	56.46	57.26	80	44	36	1	5	-	9	1	3	3	8	E.	14	12	4	-	Cl'dy.
Fort Wolcott	63.26	69.33	64.86	65.82	77	50	27	1	3	7	-	3	1	15	-	S.W.	9	13	8	-	"
Council Bluffs	54.23	74.16	59.86	62.75	94	40	54	5	7	2	-	4	10	2	-	S.	16	11	3	-	Fair.
Fort Columbus	64.63	74.96	66.96	68.85	87	51	36	-	9	3	3	5	1	5	4	N.W.	17	1	12	-	"
Fort Delaware	74.46	78.50	76.83	76.59	82	70	12	-	2	2	1	5	5	13	2	S.W.	17	5	8	-	"
Washington city	65·23	80.43	71.36	72.34	92	58	34	1	6	11	-	1	5	4	2	N.E.	9	13	8	-	Cl'dy.
Fortress Monroe	73.90	78.80	76.83	76.51	90	62	28	4	-	8	4	5	3	5	1	N.E.	15	4	11	-	Equal.
Fort Johnston	77.26	81.20	79.73	79.39	88	64	24	7	4	2	5	2	7	-	3	-	15	5	10	-	"
Augusta Arsl.	73.50	81.86	78.73	78.03	90	55	35	1	3	5	4	5	4	3	5	-	9	13	8	-	Cl'dy.
Canton. Jesup	70.93	81.66	75.63	76.07	94	47	47	3	2	8	9	6	1	1	-	E.	14	5	11	-	"
Canton. Clinch	74.06	83.26	78.40	78.57	89	54	35	-	6	3	-	3	-	18	-	S.W.	24	-	6	-	Fair.
New Orleans	77.50	82.96	81.46	80.64	90	64	26	11	-	1	11	-	1	4	2	E.	14	16	-	-	Cl'dy.
St. Augustine	80.56	84.13	81.23	81.97	89	73	16	1	3	21	-	-	-	5	-	N.E.	23	3	4	-	Fair.
Canton. Brooke	78.06	88.46	78.20	81.57	92	72	20	-	1	2	8	2	6	-	11	W.	24	-	6	-	"

No. X. OCTOBER.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Mackinac	45.93	53.22	46.74	48.63	69	29	40	2	1	2	3	4	8	6	5	S.	11	13	6	1	Cl'dy.
Fort Snelling	41.93	57.87	47.58	49.13	82	26	56	-	1	-	2	1	2	14	11	S.W.	24	3	4	-	Fair.
Fort Sullivan	45.09	55.48	45.61	48.71	69	28	41	-	8	4	1	3	5	7	3	N.W.	18	11	2	-	"
Fort Howard	43.96	58.58	50.22	50.92	80	26	54	2	5	-	6	3	4	5	6	W.	16	14	1	-	"
Fort Wolcott	52.32	60.41	54.67	55.66	70	32	38	2	8	8	-	3	-	9	1	S.W.	15	7	9	-	Cl'dy.
Council Bluffs	46.12	72.19	53.93	57.41	96	27	69	12	4	-	1	4	10	-	-	N.	18	12	1	-	Fair.
Fort Columbus	52.25	62.41	54.93	56.53	77	35	42	4	8	4	4	4	1	3	3	N.W.	18	3	10	-	"
Fort Delaware	57.29	64.06	51.70	57.68	76	47	29	1	7	1	2	10	2	5	3	S.E.	16	6	9	-	"
Washington city	50.54	67.77	57.74	58.68	83	31	52	-	14	5	-	1	2	6	3	N.W.	20	4	7	-	"
Fortress Monroe	59.58	68.32	61.45	63.11	82	40	42	4	9	3	1	4	1	3	6	N.W.	16	9	6	-	"
Fort Johnston	67.93	73.64	71.87	71.14	80	54	26	12	2	3	2	1	10	-	1	N.	19	9	3	-	"
Augusta Arsl.	63.09	73.06	68.58	68.24	84	48	36	3	2	1	4	4	6	7	4	S.W.	18	9	4	-	"
Canton. Jesup	63.25	75.90	67.09	68.75	88	44	44	1	10	12	1	5	-	2	-	N.E.	21	1	9	-	"
Canton. Clinch	66.16	77.83	72.09	72.03	84	48	36	-	11	2	-	8	5	5	-	N.W.	25	1	5	-	"
New Orleans	69.70	75.67	73.54	72.97	80	61	19	9	2	3	6	3	2	-	6	N.	19	12	-	-	"
St. Augustine	73.38	77.90	75.22	75.50	81	61	20	-	2	15	-	10	1	3	-	N.E.	24	-	7	-	"
Canton. Brooke	71.54	83.87	73.41	76.27	88	60	28	-	-	7	11	3	3	6	1	E.	27	1	3	-	"

No. XI. NOVEMBER.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Mackinac	33.76	38.00	35.03	35.60	62	20	42	2	6	1	5	1	4	6	5	S.W.	5	15	3	7	Cl'dy.
Fort Snelling	29.83	42.10	33.83	35.29	60	17	43	-	5	-	1	1	2	8	13	W.	14	8	3	5	„
Fort Sullivan	34.93	41.96	37.83	38.24	57	16	41	1	9	1	-	3	6	6	4	N.W.	19	6	4	1	Fair.
Fort Howard	31.43	41.60	35.83	36.29	54	16	38	3	3	1	3	1	2	5	12	W.	12	17	-	1	Cl'dy.
Fort Wolcott	40.53	46.70	43.26	43.43	60	22	38	4	7	2	-	1	-	14	2	S.W.	13	9	5	3	„
Council Bluffs	33.40	54.60	39.76	42.59	76	20	56	15	6	-	-	2	6	-	1	N.	19	11	-	-	Fair.
Fort Columbus	39.80	48.53	42.66	43.66	62	26	36	1	14	3	-	3	5	1	3	N.W.	16	6	7	1	„
Fort Delaware	44.10	51.56	56.26	50.64	65	33	32	-	11	1	-	4	-	8	6	N.W.	19	1	10	-	„
Washington city	38.93	53.43	45.16	45.84	68	31	37	-	9	3	-	1	2	15	-	S.W.	14	10	6	-	Cl'dy.
Fortress Monroe	46.10	53.90	50.70	50.23	66	32	34	2	8	1	2	8	3	2	4	S.E.	17	9	4	-	Fair.
Fort Johnston	56.86	63.90	62.20	60.98	76	40	36	8	-	4	2	-	11	1	4	S.	28	-	2	-	„
Augusta Arsl.	51.50	60.46	56.80	56.25	77	36	41	-	5	1	2	3	12	7	-	S.W.	17	10	3	-	„
Canton. Jesup	53.06	68.86	58.93	60.28	82	30	52	2	8	4	1	4	6	4	1	N.W.	28	1	1	-	„
Canton. Clinch	55.23	69.13	63.83	62.73	80	34	46	-	15	1	-	4	-	10	-	N.W.	27	1	2	-	„
New Orleans	61.30	70.16	65.20	65.55	83	48	35	12	4	5	3	3	2	-	1	N.	17	13	-	-	„
St. Augustine	60.03	63.86	61.46	61.78	81	33	48	6	12	2	-	9	-	1	-	N.W.	25	3	2	-	„
Canton. Brooke	61.20	74.53	64.53	66.75	86	38	48	-	3	2	3	2	3	14	3	S.W.	29	-	1	-	„

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Mackinac	21.03	25.40	23.80	23.41	42	-16	58	6	3	3	6	4	3	5	1	E.	2	19	1	9	Cl'dy.
Fort Snelling	14.22	25.29	17.93	19.15	48	-19	67	-	1	-	1	3	2	5	19	W.	18	9	-	4	Fair.
Fort Sullivan	25.67	31.35	26.48	27.83	54	-3	57	4	13	1	-	2	5	5	1	N.W.	17	8	5	1	"
Fort Howard	17.28	24.90	20.58	20.92	46	-20	66	1	11	-	1	2	-	8	8	N.W.	15	14	-	2	Cl'dy.
Fort Wolcott	31.87	37.77	34.22	34.62	59	12	47	2	9	5	-	3	-	10	2	S.W.	15	6	5	5	"
Council Bluffs	22.45	41.61	28.41	30.82	63	-6	69	15	6	-	1	1	6	-	2	N.	19	11	1	-	Fair.
Fort Columbus	30.19	36.74	32.51	33.14	55	3	52	2	9	4	-	1	2	7	6	N.W.	17	5	4	5	"
Fort Delaware	35.09	42.19	37.77	38.35	65	14	51	-	16	1	1	3	-	6	4	N.W.	18	6	1	6	"
Washington city	31.25	42.87	34.83	36.31	66	8	58	2	12	4	-	4	2	7	-	N.W.	14	13	1	3	Cl'dy.
Fortress Monroe	39.45	46.06	43.16	42.89	63	12	51	5	2	6	4	4	1	4	5	N.E.	24	2	4	1	Fair.
Fort Johnston	50.93	57.29	54.00	54.07	69	28	41	6	2	3	2	1	17	-	-	S.	24	5	2	-	"
Augusta Arsl.	43.35	52.03	47.54	47.65	64	26	38	2	5	3	4	2	2	3	10	W.	17	9	5	-	"
Canton. Jesup	45.64	61.32	51.54	52.83	77	20	57	1	9	6	3	8	1	2	1	N.W.	23	-	7	1	"
Canton. Clinch	49.00	60.45	54.06	54.50	73	23	50	-	13	2	-	8	5	2	1	N.W.	21	2	8	-	"
New Orleans	50.93	62.32	61.58	58.28	72	34	38	3	2	5	9	5	3	2	2	E.	20	11	-	-	"
St. Augustine	51.80	69.70	57.10	59.53	77	29	48	1	3	10	1	6	2	3	4	N.E.	23	5	3	-	"
Canton. Brooke	52.96	70.45	57.22	60.21	78	28	50	1	4	3	5	4	7	1	6	S.	24	-	7	-	"

No. XIII. MEAN OF THE OBSERVATIONS FOR 1826.

PLACES OF OBSERVATION.	Latitude.	Longitude.	THERMOMETER. Mean Temperature. A.M. VII.	P.M. II.	P.M. IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow Days.	Prevailing.
Fort Mackinac	45.51	85.05	38.96	45.35	40.71	41.67	84	-17	101	3.91	3.08	2.58	4.58	1.91	5.25	2.50	6.58	W.	11.58	8.33	6.66	3.83	Cl'dy.
Fort Snelling	44.53	93.08	40.40	52.08	42.09	44.86	92	-23	115	0.33	2.75	-	1.42	3.50	4.00	8.33	10.08	W.	17.08	5.25	5.33	2.75	Fair.
Fort Sullivan	44.44	67.04	40.75	52.77	41.44	44.98	98	-24	122	2.33	5.58	2.25	2.00	1.16	7.83	5.25	4.00	S.	17.00	10.50	2.08	0.83	„
Fort Howard	44.40	87.00	38.44	54.35	42.60	45.13	100	-32	132	0.83	3.00	6.50	1.93	0.66	1.00	12.25	4.25	S.W.	16.41	10.33	2.25	1.42	„
Fort Wolcott	41.30	71.18	47.99	55.42	50.76	51.39	85	2	83	1.42	6.42	5.42	0.25	3.83	0.17	12.08	0.83	S.W.	13.08	8.00	8.00	1.42	Cl'dy.
Council Bluffs	41.25	95.43	43.84	62.74	48.84	51.80	104	-16	120	9.33	4.08	1.42	0.75	2.42	10.66	1.00	0.75	S.	18.08	10.25	1.42	0.66	Fair.
Fort Columbus	40.42	74.02	48.40	58.48	50.56	52.48	97	-1	98	1.25	7.83	3.42	2.25	3.25	3.92	5.66	2.83	N.W.	18.25	4.58	6.25	1.33	„
Fort Delaware	39.35	75.29	53.10	62.23	54.82	56.71	94	8	86	0.42	6.83	3.25	0.75	5.33	1.83	10.25	1.75	S.W.	17.66	5.42	6.42	0.75	„
Washing'n c'y	38.53	76.55	51.23	65.78	57.15	58.02	96	0	96	1.58	8.00	7.25	0.25	2.75	2.58	7.00	1.16	N.W.	17.33	8.50	5.00	0.50	„
Fort.'s Monroe	37.02	76.12	59.24	65.35	61.65	62.08	92	12	80	2.42	3.08	3.83	3.50	7.00	1.83	5.83	2.92	S.E.	17.75	6.16	6.33	0.16	„
Fort Johnston	34.00	78.05	65.30	70.73	68.18	68.07	88	28	60	7.50	3.83	1.58	1.66	1.42	8.58	2.75	3.08	S.	21.00	5.16	4.25	-	„
Augusta Arsl.	33.28	81.53	63.16	71.79	67.60	67.52	94	26	68	1.16	3.00	2.47	3.83	3.58	4.25	8.33	3.83	S.W.	16.75	6.92	6.67	0.33	„
Cant. Jesup	31.30	93.47	63.67	75.24	68.20	69.04	100	14	86	3.33	4.66	5.91	3.58	5.83	3.25	2.83	1.00	N.E.	20.16	3.33	6.75	0.16	„
Cant. Clinch	30.24	87.14	65.60	74.57	69.60	69.92	93	23	70	0.41	7.58	2.41	0.41	5.66	3.83	9.75	0.33	S.W.	19.91	1.16	9.16	0.16	„
New Orleans	29.57	90.14	68.60	77.25	71.22	72.36	96	25	71	6.41	1.91	3.75	5.91	3.58	3.08	2.00	3.75	N.	17.66	11.41	1.33	-	„
St. Augustine	29.50	81.27	72.43	76.09	73.23	73.91	92	33	59	1.27	3.36	13.36	0.45	5.36	0.73	3.72	2.00	N.E.	21.72	4.63	4.00	-	„
Cant. Brooke	27.57	82.35	68.73	80.97	70.24	73.31	92	28	64	0.08	3.25	2.66	5.58	3.59	3.75	5.58	5.91	W.	23.08	0.91	6.33	0.8	„

No. I. JANUARY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	12.58	23.51	16.41	17.36	40	-20	60	3	3	9	5	4	-	2	5	N.E.	6	17	-	8	Cl'dy.
Fort Snelling	11.09	24.19	16.51	17.26	44	-22	66	1	6	-	-	2	2	13	7	S.W.	17	9	1	4	Fair.
Fort Howard	10.32	23.54	14.77	16.21	40	-14	54	1	3	3	-	-	7	6	11	W.	17	13	-	1	"
Fort Preble	14.58	25.19	19.19	19.65	40	-8	48	4	5	5	-	-	-	11	6	S.W.	22	3	-	6	"
Fort Constitution	17.22	26.54	20.16	21.31	40	-8	48	8	9	1	-	-	2	3	8	N.W.	15	12	-	4	Cl'dy.
Fort Wolcott	22.41	28.64	24.09	25.05	41	-2	43	4	11	8	-	-	-	7	1	N.W.	14	9	1	7	"
Fort Armstrong	16.67	27.06	21.51	21.75	46	-6	52	3	10	2	2	3	4	-	7	N.W.	24	5	1	1	Fair.
West Point	19.38	28.93	21.61	23.31	49	-10	59	7	10	3	1	5	1	1	3	N.W.	18	4	1	8	"
Fort Trumbull	24.32	29.00	28.12	27.15	62	0	62	1	10	7	1	1	-	4	7	N.W.	19	5	2	5	"
Fort Columbus	21.22	28.45	22.38	24 02	43	0	43	4	12	2	4	1	3	1	4	N.W.	15	8	4	4	Cl'dy.
Washington city	24.51	36.32	29.77	30.20	54	9	45	4	10	5	-	2	1	6	3	N.W.	20	8	3	-	Fair.
Jefferson Barracks	25.06	40.41	30.80	32.09	53	8	45	1	8	-	1	4	10	1	6	S.	20	8	1	2	"
Fortress Monroe	31.32	40.51	37.90	36.58	58	13	45	5	2	6	4	4	1	4	5	N.E.	24	4	3	-	"
Augusta Arsl.	40.96	47.51	45.25	44.57	71	26	45	8	5	5	-	1	5	4	3	N.	13	12	6	-	Cl'dy.
Canton. Jesup	45.38	57.48	50.29	51.05	78	24	54	1	9	4	3	7	2	5	-	N.W.	18	7	6	-	Fair.
Canton. Clinch	47.38	55.32	51.38	51.36	72	24	48	10	2	7	-	3	7	2	-	N.	14	13	4	-	Cl'dy.
Petite Coquille	45.74	57.22	49.48	50.81	80	23	57	-	3	10	6	5	1	3	3	N.E.	15	11	5	-	"
Canton. Brooke	51.67	63.09	55.83	56.86	78	26	52	1	7	5	-	1	8	3	6	S.	25	3	3	-	Fair.

No. II. FEBRUARY.

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S:	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	16.21	30.85	21.14	22.73	47	-16	63	-	6	7	1	4	-	6	4	N.E.	7	6	2	13	Snow.
Fort Snelling	18.42	23.46	23.71	24.86	46	-8	54	-	1	-	-	1	3	7	16	W.	20	2	2	4	Fair.
Fort Howard	19.21	34.00	22.10	25.10	44	-6	50	4	2	-	-	-	1	11	10	S.W.	19	7	-	2	"
Fort Preble	18.75	31.10	23.82	24.56	45	-7	52	4	5	-	-	2	4	2	11	W.	22	2	1	3	"
Fort Constitution	21.21	33.07	26.35	26.88	47	-4	51	1	8	-	2	1	4	4	8	N.W.	15	11	1	1	"
Fort Wolcott	28.00	34.57	30.28	31.28	48	-1	49	1	13	5	-	1	-	8	-	N.W.	13	7	3	5	Cl'dy.
Fort Armstrong	25.78	38.07	31.25	31.37	57	2	55	9	9	1	2	-	4	1	2	N.W.	18	6	2	2	Fair.
West Point	26.00	38.60	31.00	31.87	54	2	52	4	6	2	-	3	2	6	5	N.W.	16	5	4	3	"
Fort Trumbull	31.07	36.85	36.28	34.73	48	5	43	1	7	6	3	1	2	3	5	N.W.	14	7	4	3	"
Fort Columbus	28.57	35.39	31.89	31.95	48	7	41	2	10	5	1	2	2	5	1	N.W.	15	3	6	4	"
Washington city	37.55	49.57	40.78	42.63	69	34	35	1	5	8	-	3	3	5	3	N.E.	10	10	6	2	Cl'dy.
Jefferson Barracks	37.03	53.46	43.17	44.55	72	24	48	4	5	1	-	10	8	-	-	S.E.	16	5	6	1	Fair.
Fortress Monroe	41.60	49.35	46.57	45.84	59	22	37	1	1	10	2	1	3	9	1	N.E.	9	8	11	-	Rain.
Augusta Arsl.	58.17	64.07	61.53	61.26	80	47	33	1	2	3	-	2	-	12	8	S.W.	13	7	8	-	Cl'dy.
Canton. Jesup.	57.89	69.21	61.46	62.85	84	44	40	4	5	8	2	9	-	-	-	S.E.	13	7	8	-	"
Canton. Clinch	60.96	67.85	63.50	64.10	77	44	33	6	2	-	-	6	5	9	-	S.W.	11	13	4	-	"
Petite Coquille	60.10	72.53	62.60	65.08	86	42	44	-	1	3	6	3	9	3	3	S.	23	3	2	-	Fair.
Canton. Brooke	64.07	78.32	66.64	69.68	82	50	32	-	-	-	-	6	2	8	12	W.	27		1	-	"

No. III.

MARCH.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	18.25	34.61	24.70	25.85	51	−5	56	1	9	6	-	7	2	2	4	N.W.	8	15	4	4	Cl'dy.
Fort Snelling	25.85	39.74	29.61	31.74	56	−7	63	1	3	1	-	1	5	8	12	W.	18	6	2	5	Fair.
Fort Howard	23.74	40.96	28.29	31.00	56	−16	72	-	3	-	7	-	1	8	12	W.	21	6	3	1	"
Fort Preble	28.77	40.74	32.25	33.92	63	2	61	-	7	3	1	1	10	4	5	S.	21	7	3	-	"
Fort Constitution	31.29	41.83	33.45	35.52	66	11	55	2	8	2	1	2	8	2	6	N.W.	21	9	1	-	"
Fort Wolcott	34.03	42.61	38.25	38.30	56	24	32	1	15	2	-	5	-	8	-	N.W.	17	6	6	2	"
Fort Armstrong	35.16	45.38	40.74	40.43	74	16	58	3	8	3	1	2	8	4	2	N.W.	20	8	3	-	"
West Point	34.87	48.48	38.38	40.58	74	15	59	8	12	1	-	5	1	2	2	N.W.	21	6	4	-	"
Fort Trumbull	39.19	44.58	43.29	42.35	60	26	34	4	7	3	1	3	4	4	5	N.W.	21	4	6	-	"
Fort Columbus	34.61	46.03	37.38	39.34	64	18	46	5	10	2	3	4	3	1	3	N.W.	19	7	4	1	"
Washington city	40.09	55.80	46.35	47.41	73	33	40	1	15	3	-	3	6	3	-	N.W.	15	11	5	-	Cl'dy.
Jefferson Barracks	43.54	59.74	49.67	50.98	81	29	52	8	3	-	5	6	1	3	5	N.	22	2	5	2	Fair.
Fortress Monroe	46.58	55.09	55.58	51.08	66	35	31	2	2	8	3	2	3	6	5	N.E.	15	10	6	-	Cl'dy.
Augusta Arsl.	53.29	66.12	58.48	59.30	79	42	37	1	2	4	5	3	4	4	8	S.W.	18	5	8	-	Fair.
Canton. Jesup	54.61	67.67	58.70	60.33	82	34	48	-	7	3	2	9	5	3	2	S.E.	15	7	9	-	Cl'dy.
Canton. Clinch	58.51	67.61	63.58	63.23	79	43	36	3	5	-	-	4	12	5	2	S.	24	2	5	-	Fair.
Petite Coquille	57.25	70.38	60.35	62.66	87	42	45	1	6	5	5	5	4	1	4	N.W.	20	7	4	-	"
Canton. Brooke	65.35	78.64	67.41	70.47	84	52	32	-	3	-	1	6	4	2	15	W.	26	2	3	-	"

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	34.80	47.93	35.46	39.39	63	23	40	-	6	1	2	8	-	7	6	S.E.	2	15	10	3	Cl'dy.
Fort Snelling	41.86	51.43	41.00	44.76	65	28	37	-	2	-	2	3	2	4	17	W.	13	5	10	2	"
Fort Howard	36.93	52.73	39.93	43.20	68	26	42	1	-	6	2	-	-	3	18	W.	16	13	1	-	Fair.
Fort Preble	42.26	54.40	43.56	46.74	77	29	48	6	4	1	2	6	4	3	4	S.E.	18	4	8	-	"
Fort Constitution	44.33	53.30	45.26	47.63	76	33	43	2	8	8	1	1	4	3	3	N.W.	14	12	4	-	Cl'dy.
Fort Wolcott	44.56	52.90	47.80	48.42	60	30	30	1	7	8	1	2	-	11	-	S.W.	10	9	11	-	Rain.
Fort Armstrong	46.76	57.46	49.33	51.18	70	28	42	4	3	2	4	1	5	4	7	W.	21	5	4	-	Fair.
West Point	47.73	62.96	53.30	54.66	78	32	46	2	10	1	-	7	4	6	-	N.W.	17	6	7	-	"
Fort Trumbull	49.53	55.13	54.80	53.15	65	40	25	1	2	3	3	7	3	5	6	S.E.	14	5	11	-	Cl'dy.
Fort Columbus	47.20	59.86	49.13	52.06	76	36	40	3	7	-	-	8	4	5	3	S.E.	19	3	8	-	Fair:
Washington city	51.56	70.26	58.10	59.97	83	38	45	-	11	2	-	4	3	6	1	N.W.	13	11	6	-	Cl'dy.
Jefferson Barracks	54.00	69.66	60.00	61.22	85	40	45	-	4	-	1	5	9	5	6	S.	17	2	11	-	Fair.
Fortress Monroe	56.86	67.36	61.33	61.85	80	44	36	-	4	2	3	9	4	6	2	S.E.	10	10	10	-	Cl'dy.
Augusta Arsl.	62.33	73.53	67.93	67.93	85	52	33	-	2	-	3	7	7	5	6	S.	12	9	9	-	"
Canton. Jesup	64.23	76.50	67.90	69.54	88	48	40	5	2	4	5	6	4	3	1	S.E.	16	8	6	-	Fair.
Canton. Clinch	69.53	75.63	71.23	72.13	85	54	31	-	6	-	-	8	3	13	-	S.W.	23	3	4	-	"
Petite Coquille	67.20	81.06	68.20	72.15	94	54	40	1	2	2	6	3	12	2	2	E.	20	10	-	-	"
Canton. Brooke	70.33	83.67	72.13	75.38	88	62	26	-	1	2	-	5	1	10	11	W.	29	-	1	-	"

No. V. MAY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	47.54	58.54	43.67	49.92	82	32	50	-	7	7	1	6	3	4	3	N.W.	8	20	2	1	Cl'dy.
Fort Snelling	59.77	70.16	58.87	62.93	86	40	46	2	3	-	2	4	8	3	9	W.	22	2	7	-	Fair.
Fort Howard	47.54	67.77	51.51	55.61	87	32	55	1	1	15	-	1	2	5	6	N.E.	26	5	-	-	"
Fort Preble	50.42	62.16	50.19	54.26	68	34	34	3	-	4	1	10	7	3	3	S.E.	22	5	4	-	"
Fort Constitution	50.83	59.29	50.70	53.61	87	38	49	3	2	2	3	2	14	2	3	S.	21	6	4	-	"
Fort Wolcott	51.80	61.35	53.61	55.59	75	38	37	1	9	3	1	6	-	11	-	S.W.	17	4	10	-	"
Fort Armstrong	59.16	71.58	60.74	63.83	90	46	44	1	4	7	-	-	12	2	5	S.	26	2	3	-	"
West Point	56.06	71.45	58.32	61.94	86	38	48	3	8	3	-	10	4	2	1	S.E.	22	4	5	-	"
Fort Trumbull	55.19	61.51	60.29	59.00	75	42	33	2	4	3	1	7	4	8	2	S.W.	19	6	6	-	"
Fort Columbus	55.61	66.45	56.55	59.54	84	41	43	1	4	3	2	10	5	3	3	S.E.	20	5	6	-	"
Washington city	62.38	72.09	64.19	66.22	84	50	34	-	8	9	-	6	3	4	1	N.E.	21	6	4	-	"
Jefferson Barracks	60.64	73.35	62.58	65.52	84	42	42	4	4	3	1	-	5	2	12	W.	21	2	8	-	"
Fortress Monroo	58.48	68.29	63.64	63.47	78	48	30	-	3	8	5	10	2	2	1	E.	15	8	8	-	Cl'dy.
Augusta Arsl.	65.00	78.93	68.83	70.92	86	48	38	-	-	2	5	2	2	13	7	S.W.	12	10	9	-	"
Canton. Jesup	66.45	79.50	70.71	72.22	93	46	47	4	5	6	4	7	1	1	3	S.E.	17	3	11	-	Fair.
Canton. Clinch	67.96	77.09	72.80	72.62	86	52	34	1	5	-	1	2	6	14	2	S.W.	16	6	9	-	"
Petite Coquille	68.70	80.09	70.77	73.19	90	54	36	1	2	9	6	3	4	4	2	N.E.	20	10	1	-	"
Canton. Brooke	73.54	85.61	74.96	78.04	90	62	28	-	1	-	-	7	-	8	15	W.	24	2	5	-	"

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	56.80	70.30	51.93	59.68	84	35	49	-	7	10	1	9	-	2	1	N.E.	12	12	6	-	Cl'dy.
Fort Snelling	70.56	77.83	67.46	71.95	92	50	42	1	-	-	1	3	13	5	7	S.	14	5	11	-	"
Fort Howard	60.76	80.80	62.90	68.15	96	40	56	-	1	7	2	4	-	4	12	W.	25	5	-	-	Fair.
Fort Preble	59.50	70.86	58.36	62.91	81	48	33	1	1	6	1	6	8	5	2	S.	20	6	4	-	"
Fort Constitution	60.03	66.43	58.80	61.75	79	51	28	-	1	2	1	1	18	3	4	S.	19	7	4	-	"
Fort Wolcott	60.83	69.52	63.23	64.52	77	47	30	1	8	2	1	2	2	14	-	S.W.	18	4	8	-	"
Fort Armstrong	71.40	77.26	68.26	72.31	94	50	44	4	2	1	3	2	16	1	1	S.	22	4	4	-	"
West Point	63.70	78.90	65.20	69.27	88	50	38	5	3	1	-	5	7	6	3	S.	16	10	4	-	"
Fort Trumbull	63.56	70.30	67.90	67.25	76	54	22	2	4	3	-	3	6	9	3	S.W.	20	4	6	-	"
Fort Columbus	64.00	76.46	65.33	68.60	89	50	39	-	7	2	-	8	7	2	4	S.E.	16	4	10	-	"
Washington city	71.16	80.46	71.43	74.35	92	58	34	5	6	7	2	2	-	8	-	S.W.	16	8	6	-	"
Jefferson Barracks	70.10	81.63	69.13	73.62	91	57	34	4	1	-	1	-	9	8	7	S.	25	-	5	-	"
Fortress Monroe	64.90	76.23	73.03	71.39	86	56	30	-	1	7	6	8	1	7	-	S.E.	18	3	9	-	"
Augusta Arsl.	70.86	85.33	74.76	76.98	96	64	32	1	1	5	4	5	4	4	6	W.	19	4	7	-	"
Canton. Jesup	75.40	87.93	81.03	81.45	95	63	32	-	3	9	1	13	3	-	1	S.E.	20	5	5	-	"
Canton. Clinch	76.00	85.76	82.40	81.39	90	68	22	-	1	-	-	2	7	18	2	S.W.	21	4	5	-	"
Petite Coquille	79.20	88.06	83.56	83.61	93	68	25	-	3	3	7	6	3	6	2	E.	26	4	-	-	"
Canton. Brooke	77.20	87.53	79.33	81.35	92	74	18	-	-	1	10	-	4	-	15	W.	21	7	2	-	"

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. A.M. VII.	P.M. II.	P.M. IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	62.03	70.41	58.36	63.60	84	50	34	-	16	6	2	4	-	3	-	N.W.	5	18	8	-	Cl'dy.
Fort Snelling	71.80	80.64	69.74	74.06	96	60	36	1	4	2	-	3	10	3	8	S.	19	9	3	-	Fair.
Fort Howard	64.93	85.00	66.49	72.14	98	58	40	1	3	8	1	-	3	5	10	W.	27	3	1	-	"
Fort Preble	66.61	79.03	64.54	70.06	89	56	33	2	2	1	1	6	6	11	2	S.W.	19	11	1	-	"
Fort Constitution	66.12	72.83	63.96	67.64	83	57	26	-	7	3	2	2	12	2	3	S.	19	11	1	-	"
Fort Wolcott	66.87	76.38	70.22	71.16	83	58	25	-	7	5	-	3	2	14	-	S.W.	18	6	7	-	"
Fort Armstrong	76.87	84.61	73.67	78.38	94	65	29	4	1	-	2	1	9	9	5	S.	21	10	-	-	"
West Point	70.32	80.58	68.03	72.98	101	64	37	1	5	-	-	4	8	9	4	S.W.	21	8	2	-	"
Fort Trumbull	69.16	76.67	73.64	73.16	86	62	24	1	1	1	1	3	4	17	3	S.W.	22	4	5	-	"
Fort Columbus	71.80	83.25	71.83	75.63	96	63	33	1	6	4	-	7	2	7	4	S.W.	18	6	7	-	"
Washington city	78.41	82.38	79.00	79.93	98	70	28	-	6	10	-	4	3	8	-	N.E.	19	6	6	-	"
Jefferson Barracks	77.48	85.22	77.74	80.15	94	52	42	1	3	-	-	1	3	13	10	S.W.	22	7	2	-	"
Fortress Monroe	74.58	84.38	78.58	79.18	94	70	24	-	-	9	4	8	3	7	-	N.E.	21	5	5	-	"
Augusta Arsl.	77.16	91.77	79.70	82.88	102	72	30	1	-	1	3	11	4	6	5	S.E.	16	5	10	-	"
Canton. Jesup	78.74	89.58	82.54	83.62	95	72	23	2	4	6	5	8	3	1	2	S.E.	13	5	13	-	Cl'dy.
Canton. Clinch	83.48	86.48	83.90	84.62	92	75	17	3	3	1	-	-	3	20	1	S.W.	14	2	15	-	"
Petite Coquille	81.51	88.25	83.74	84.50	93	77	16	2	5	2	6	4	3	7	2	S.W.	23	6	2	-	Fair.
Canton. Brooke	80.38	89.03	79.61	82.85	94	70	24	-	-	4	2	9	15	1	-	S.	20	7	4	-	"

No. VIII. AUGUST.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	60.38	70.12	60.22	63.57	82	42	40	-	11	6	4	8	1	1	-	N.W.	4	20	7	-	Cl'dy.
Fort Snelling	64.67	78.19	68.19	70.35	92	50	42	-	3	7	4	5	9	2	1	S.	15	14	2	-	"
Fort Howard	63.41	82.06	65.04	70.17	88	50	38	1	2	10	1	2	-	6	9	N.E.	21	10	-	-	Fair.
Fort Preble	61.80	76.09	62.32	66.74	95	52	43	-	5	1	3	1	10	11	-	S.W.	24	4	3	-	"
F't Constitution	62.67	70.45	62.35	65.16	92	52	40	-	3	5	1	-	17	3	2	S.	23	5	3	-	"
Fort Wolcott	66.06	73.74	69.03	69.61	86	58	28	2	6	4	-	3	-	16	-	S.W.	18	3	10	-	"
Fort Armstrong	73.80	83.29	72.90	76.66	92	60	32	5	-	3	6	3	7	6	1	S.	26	5	-	-	"
West Point	67.32	80.90	69.48	72.57	101	56	45	1	7	1	-	5	5	7	5	S.W.	15	13	3	-	"
Fort Trumbull	68.03	73.80	72.29	71.39	88	60	28	1	2	4	2	5	3	12	2	S.W.	16	9	6	-	"
Fort Columbus	71.45	79.06	72.51	74.34	95	62	33	5	3	2	-	11	3	2	5	S.E.	20	3	8	-	"
Washington city	76.32	82.06	76.87	78.42	94	70	24	-	-	9	-	11	-	11	-	S.E.	17	8	6	-	"
Jefferson Bar'ks	78.19	85.83	81.00	81.67	92	72	20	-	1	1	9	7	2	10	1	S.W.	23	1	7	-	"
Fortress Monroe	74.54	85.64	80.45	80.21	94	66	28	-	2	9	2	4	4	9	1	S.W.	21	6	4	-	"
Augusta Arsl.	74.71	89.12	80.48	81.44	99	67	32	1	1	7	4	7	4	6	-	S.E.	18	3	10	-	"
Canton. Jesup	77.51	89.38	82.00	82.96	94	74	20	-	5	7	6	5	4	2	2	N.E.	19	2	10	-	"
Canton. Clinch	77.64	86.19	82.61	82.15	92	70	22	3	1	3	1	6	5	11	1	S.W.	22	2	7	-	"
Petite Coquille	78.12	87.22	81.90	82.41	95	71	24	3	3	5	6	6	3	3	2	S.E.	24	5	2	-	"
Canton. Brooke	80.06	88.00	80.12	82.73	94	72	22	2	1	2	-	16	4	2	4	S.E.	15	11	5	-	Cl'dy.

No. IX. SEPTEMBER.

PLACES OF OBSERVATION.	THERMIOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'y.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	54.16	66.20	56.26	58.87	81	35	46	-	16	1	-	8	1	3	1	N.W.	3	18	9	-	Cl'dy.
Fort Snelling	55.76	69.06	58.23	61.02	90	32	58	6	3	7	1	3	7	1	2	N.	15	10	5	-	Equal.
Fort Howard	58.46	74.36	59.56	64.12	98	36	62	-	-	10	-	1	3	8	8	N.E.	25	3	2	-	Fair.
Fort Preble	56.36	70.30	57.90	61.52	85	50	35	-	5	1	5	5	5	9	-	S.W.	21	7	2	-	"
Fort Constitu'on	57.10	66.63	57.60	60.44	82	50	32	1	7	9	4	1	7	-	1	N.E.	19	9	2	-	"
Fort Wolcott	59.60	68.46	63.03	63.70	80	50	30	2	5	10	2	-	-	10	1	N.E.	15	6	9	-	Equal.
Fort Armstrong	63.40	72.96	65.93	67.43	90	43	47	2	3	6	5	9	2	3	-	S.E.	26	4	-	-	Fair.
West Point	59.96	74.93	61.56	65.48	88	52	36	5	8	4	1	4	6	2	-	N.W.	21	4	5	-	"
Fort Trumbull	63.30	69.70	67.26	66.75	80	52	28	2	2	10	1	4	1	7	3	N.E.	17	7	6	-	"
Fort Columbus	63.06	72.76	65.33	67.05	84	50	34	12	3	4	-	3	5	2	1	S.	18	8	4	-	"
Washington city	66.60	75.50	68.36	70.15	89	52	37	5	8	4	3	2	5	2	1	N.W.	19	6	5	-	"
Jefferson Bar'ks	69.00	77.43	72.43	72.95	82	52	30	4	8	1	1	1	8	1	6	S.	16	14	-	-	"
Fortress Monroe	66.63	76.26	71.66	71.52	91	56	35	2	7	9	4	4	1	3	-	N.E.	20	9	1	-	"
Augusta Arsl.	67.73	83.06	74.50	75.10	90	56	34	-	3	4	9	8	3	1	2	S.E.	19	5	6	-	"
Canton. Jesup	77.80	87.10	79.76	81.55	94	62	32	-	2	9	5	7	4	1	2	N.E.	23	2	5	-	"
Canton. Clinch	74.06	83.33	79.23	78.87	88	63	25	2	2	1	1	6	2	14	2	S.W.	23	3	4	-	"
Petite Coquille	75.06	85.90	80.93	80.63	91	64	27	1	-	8	3	8	3	6	1	S.E.	25	4	1	-	"
Canton. Brooke	77.13	87.00	79.36	81.16	92	68	24	-	-	8	2	6	3	2	9	W.	19	3	8	-	"

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	40.74	51.42	43.19	45.12	68	23	45	1	11	4	-	8	2	4	1	N.W.	6	18	4	3	Cl'dy.
Fort Snelling	42.00	58.19	47.58	49.26	82	26	56	-	1	-	2	1	2	14	11	S.W.	24	3	4	-	Fair.
Fort Howard	39.64	56.71	44.51	46.95	80	20	60	7	4	3	-	-	14	-	3	S.	23	7	1	-	"
Fort Preble	45.80	56.74	49.06	50.53	71	31	40	-	7	-	3	5	3	9	4	S.W.	19	8	4	-	"
F't Constitution	47.29	56.62	50.29	51.40	70	32	38	1	7	6	-	1	8	5	3	S.	19	9	3	-	"
Fort Wolcott	52.87	60.29	55.03	56.06	70	34	36	7	5	3	-	1	2	9	4	S.W.	12	10	9	-	Cl'dy.
Fort Armstrong	46.12	60.51	50.16	52.26	78	20	58	5	5	4	2	1	6	5	3	N.	27	4	-	-	Fair.
West Point	50.35	60.45	52.54	54.45	74	34	40	4	11	4	2	2	5	1	2	N.W.	17	10	4	-	"
Fort Trumbull	55.03	60.61	58.83	58.16	68	40	28	2	3	7	-	2	6	8	3	S.W.	15	6	10	-	Cl'dy.
Fort Columbus	52.00	60.09	55.61	55.90	71	34	37	8	5	8	-	2	5	2	1	N.	16	15	-	-	Fair.
Washington city	53.67	63.54	58.03	58.41	77	36	41	5	7	1	1	4	5	5	3	N.W.	11	9	11	-	"
Jefferson Bar'ks	54.87	63.38	58.70	58.98	80	36	44	5	9	-	-	2	4	3	8	W.	14	12	5	-	Cl'dy.
Fortress Monroe	58.16	66.74	63.48	62.79	77	39	38	7	5	6	3	5	-	5	-	N.	16	8	7	-	Fair.
Augusta Arsl.	60.09	73.70	66.19	66.66	92	39	53	5	5	3	3	3	3	6	3	S.W.	23	3	5	-	"
Canton. Jesup	60.09	74.35	67.06	67.17	90	40	50	-	8	7	2	8	2	3	1	N.W.	25	4	2	-	"
Canton. Clinch	63.25	73.77	69.96	68.99	85	47	38	7	5	3	1	5	2	5	3	N.	24	1	6	-	"
Petite Coquille	62.83	75.22	69.51	69.19	88	46	42	1	3	7	9	2	3	4	2	E.	27	3	1	-	"
Canton. Brooke	69.87	83.35	71.16	74.79	88	54	34	-	1	-	-	5	4	2	19	W.	25	-	6	-	"

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	28.13	34.80	30.53	31.15	51	16	35	3	14	-	10	1	-	1	1	N.W.	10	14	2	4	Cl'dy.
Fort Snelling	26.16	39.66	30.16	31.99	59	-3	62	2	4	1	2	2	2	2	15	W.	15	14	-	1	Fair.
Fort Howard	29.53	40.93	32.10	34.19	64	8	56	6	3	2	1	-	10	2	6	S.	15	15	-	-	Equal.
Fort Preble	28.70	38.36	30.56	32.54	52	13	39	6	7	5	-	-	1	4	7	N.W.	18	9	2	1	Fair.
F't Constitution	31.66	36.50	33.46	33.87	57	20	37	4	17	1	1	2	-	3	2	N.W.	14	14	1	1	Cl'dy.
Fort Wolcott	34.80	41.33	36.96	37.70	57	21	36	2	16	2	-	3	1	2	4	N.W.	11	10	5	4	"
Fort Armstrong	34.10	44.30	37.53	38.64	70	12	58	4	10	-	4	1	1	10	-	S.W.	20	9	1	-	Fair.
West Point	34.40	42.63	36.66	37.90	64	20	44	7	12	2	-	2	1	5	1	N.W.	18	7	5	-	"
Fort Trumbull	39.43	43.66	42.46	41.85	59	32	27	3	9	3	-	2	2	4	7	N.W.	18	4	6	2	"
Fort Columbus	36.90	43.43	38.66	39.66	61	21	40	2	13	5	-	2	1	3	4	N.W.	17	13	-	-	"
Washington city	39.13	49.33	46.16	44.87	67	25	42	-	22	-	1	1	1	5	-	N.W.	10	12	7	1	Cl'dy.
Jefferson Barracks	47.33	53.50	50.36	50.40	74	30	44	3	9	-	3	4	6	3	2	N.W.	10	15	2	3	"
Fortress Monroe	45.16	53.80	50.16	49.71	71	30	41	5	6	1	4	4	-	7	3	S.W.	17	12	1	-	Fair.
Augusta Arsl.	54.03	61.20	57.66	57.63	74	30	44	5	6	2	-	5	-	9	3	S.W.	21	4	5	-	"
Canton. Jesup	55.50	66.30	59.06	60.29	82	36	46	-	2	8	3	10	3	4	-	S.E.	20	5	5	-	"
Canton. Clinch	57.30	66.36	63.46	62.37	77	35	42	6	4	3	2	8	4	3	-	S.E.	20	6	4	-	"
Petite Coquille	57.06	68.30	62.23	62.53	83	39	44	-	10	1	12	1	-	5	1	E.	22	5	3	-	"
Canton. Brooke	64.06	77.26	66.93	69.42	86	46	40	-	5	-	-	7	-	-	18	W.	26	1	3	-	"

No. XII. DECEMBER.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. A.M. VII.	P.M. II.	P.M. IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	16.83	23.54	20.61	20.33	38	-5	43	1	7	1	11	7	-	1	3	E.	10	8	-	13	Cl'dy.
Fort Snelling	7.38	19.74	11.90	13.01	33	-14	47	2	4	5	3	1	6	2	8	W.	13	14	-	4	"
Fort Howard	18.06	25.58	17.64	20.42	48	-7	55	7	4	-	-	2	9	4	3	S.	22	6	3	-	Fair.
Fort Preble	23.67	31.61	27.93	27.74	46	0	46	3	14	6	2	3	1	2	-	N.W.	16	11	2	2	"
Fort Constitution	26.58	32.90	28.77	29.42	53	-3	56	2	9	5	1	1	2	1	10	W.	12	13	4	2	Cl'dy.
Fort Wolcott	33.19	37.87	35.00	36.35	58	12	46	6	13	6	-	1	-	4	1	N.W.	9	14	4	4	"
Fort Armstrong	24.38	31.54	27.29	27.74	56	10	46	2	10	2	2	2	8	4	1	N.W.	19	12	-	-	Fair.
West Point	35.03	37.12	32.70	34.95	58	10	48	7	7	4	2	6	4	-	1	N.W.	13	7	8	3	Cl'dy.
Fort Trumbull	40.35	43.67	42.70	42.24	54	23	31	5	5	10	3	1	2	5	-	N.E.	9	12	7	3	"
Fort Columbus	31.16	35.25	33.22	33.21	48	17	31	2	10	2	3	3	2	4	5	N.W.	15	15	1	-	"
Washington city	37.28	46.74	40.74	41.59	65	21	44	-	10	5	-	6	1	9	-	N.W.	6	14	10	1	"
Jefferson Barracks	35.77	43.67	37.83	39.09	64	22	42	5	4	1	1	1	15	2	2	S.	11	11	6	3	"
Fortress Monroe	46.32	55 25	51.00	50.86	65	34	31	2	3	8	1	5	1	9	2	S.W.	14	15	2	-	"
Augusta Arsl.	51.09	64.35	56.03	57.16	79	31	48	2	4	2	-	4	8	8	3	S.W.	16	13	2	-	Fair.
Canton. Jesup	53.93	60.51	58.51	57.65	78	32	46	-	6	7	5	9	1	3	-	S.E.	13	10	8	-	Cl'dy.
Canton. Clinch	57.45	65.80	62.93	62.06	78	34	44	1	2	3	2	17	5	1	-	S.E.	21	6	4	-	Fair.
Petite Coquille	59.03	69.41	59.77	62.74	82	41	41	2	2	6	10	10	1	-	-	E.	24	7	-	-	"
Canton. Brooke	63.48	74.93	64.45	67.62	80	44	36	-	1	-	-	2	1	2	25	W.	29	-	2	-	"

No. XIII. MEAN OF THE OBSERVATIONS FOR 1827.

PLACES OF OBSERVATION.	Latitude.	Longitude.	THERMOMETER. Mean Temperature. A.M. VII.	P.M. II.	P.M. IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow Days.	Prevailing.
	° ′	° ′																					
Fort Brady	46.39	84 83	37.37	48.52	38.54	41.46	84	-20	104	0.75	9.41	4.82	3.08	6.16	0.75	3.00	2.47	N.W.	6.75	15.08	4.50	4.08	Cl'dy.
Fort Snelling	44.53	93.08	41.28	53.44	43.58	46.10	96	-22	118	1.33	2.83	1.92	1.41	2.42	5.75	5.33	9.42	W.	17.08	7.75	3.92	1.67	Fair.
Fort Howard	44.40	87.00	39.38	55.37	42.07	45.60	98	-16	114	2.42	2.17	5.33	1.17	0.83	4.17	5.17	9.00	W.	21.41	7.75	0.92	0.33	"
Fort Preble	43.38	70.18	41.43	53.05	43.31	45.93	95	-8	103	2.42	5.17	2.75	1.58	3.75	4.92	6.17	3.67	S.W.	20.17	6.42	2.83	1.00	"
F't Constitution	43.04	70.49	43.03	51 36	44.26	46.22	92	-8	100	2.00	7.16	3.66	1.42	1.17	8.00	2.58	4.42	N.W.	17.58	9.83	2.33	0.67	"
Fort Wolcott	41.30	71.18	46.25	53.97	48.96	49.73	86	-2	88	2.33	9.58	4.83	0.42	2.25	0.58	9.50	0.92	S.W.	14.33	7.33	6.92	1.83	Cl'dy.
Fort Armstrong	41.28	90.33	47.80	57.84	49.86	51.83	94	-6	100	3.83	5.42	2.58	2.75	2.08	6.83	4.08	2.83	S.	22.50	6.17	1.50	0.25	Fair.
West Point	41.22	73.57	47.09	58.83	49.06	51.66	101	-10	111	4.50	8.25	2.17	0.50	4.83	4.00	3.92	2.25	N.W.	17.83	7.00	4.33	1.16	"
Fort Trumbull	41.22	72.05	49.85	55.46	53.99	53.10	88	0	88	2.08	4.67	5.00	1.33	3.25	3.83	7.16	3.83	S.W.	17.00	6.08	6.25	1.08	"
Fort Columbus	40.42	74.02	48.13	57.21	50.00	51.77	96	0	96	3.75	7.50	3.25	1.08	5.08	3.50	3.08	3.17	N.W.	17.33	7.50	4.83	0.75	"
Washington city	38.41	76.55	53.22	63.67	56.65	57.84	98	9	89	1.75	9.00	5.25	0.58	4.00	2.58	6.00	1.00	N.W.	14.75	9.08	6.25	0.33	Cl'dy.
Jefferson Bar'ks	38.28	90.08	54.42	65.61	57.78	59.27	94	8	86	3.25	4.92	0.58	1.92	3.42	6.67	4.25	5.42	S.	17.75	6.58	4.83	0.92	Fair.
Fortress Monroe	37.02	76.12	55.43	64.91	60.77	60.37	94	13	81	2.00	3.00	6.92	3.42	5.33	1.92	6.16	1.67	N.E.	16.67	8.16	5.58	-	"
Augusta Arsl.	33.28	81.53	61.28	73.22	65.94	66.81	102	26	76	2.08	2.58	3.16	3.00	4.17	3.67	6.50	4.50	S.W.	16.58	6.75	7.08	-	"
Canton. Jesup	31.30	93.47	63.96	75.46	68.25	69.22	95	24	71	1.25	4.83	6.50	3.58	8.17	2.67	2.17	1.17	S.E.	17.67	5.41	7.33	-	"
Canton. Clinch	30.24	87.14	66.12	74.26	70 58	70.32	92	24	68	3.50	3.16	1.75	0.67	5.58	5.08	9.58	1.08	S.W.	19.67	4.67	6.08	-	"
Petite Coquille	30.10	89.38	65.99	76.97	69.42	70.79	95	23	72	1.00	3.33	5.08	6.83	4.67	3.83	3.67	2.00	E.	22.42	6.25	1.75	-	"
Canton. Brooke	27.57	82.35	69.68	81.37	71.49	74.19	94	26	68	0.25	1.67	1.83	1.25	5.83	3.83	3.33	12.42	W.	23.83	3.00	3.58	-	"

No. I.

JANUARY.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. A.M. VII.	P.M. II.	P.M. IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	12.70	25.12	17.48	18.43	44	-20	64	1	6	-	5	9	1	3	6	S.E.	6	5	1	19	Cl'dy.
Fort Snelling	3.58	19.35	8.32	10.42	38	-22	60	5	8	-	-	-	6	5	7	N.W.	20	5	-	6	Fair.
Fort Howard	16.32	23.19	17.41	18.97	39	-20	59	4	5	2	1	-	12	5	2	S.	19	6	1	5	Fair.
Fort Preble	23.29	30.45	27.32	27.02	50	2	48	2	5	4	3	9	-	6	2	S.E.	13	16	2	-	Cl'dy.
Fort Constitution	25.51	34.54	28.35	29.37	51	1	50	3	7	4	2	-	3	2	10	W.	16	14	-	1	„
Fort Wolcott	32.35	37.19	34.29	33.95	48	6	42	4	11	5	2	3	1	3	2	N.W.	14	8	7	2	Cl'dy.
Fort Armstrong	19.67	28.67	24.51	24.28	44	-6	50	5	5	2	5	3	5	2	4	N.	19	10	1	1	Fair.
West Point	30.19	38.19	31.87	33.42	56	6	50	4	8	3	-	12	3	1	-	S.E.	16	10	2	3	„
Fort Trumbull	39.41	43.71	42.25	41.86	52	20	32	2	7	5	-	9	2	5	1	S.E.	10	11	1	3	Cl'dy.
Fort Columbus	30.80	36.93	34.03	33.59	54	9	43	5	7	8	3	-	2	4	2	N.E.	12	16	3	-	„
Washington city	37.74	44.84	40.80	41 13	66	16	50	-	8	7	-	6	4	5	1	N.W.	8	11	10	2	„
Jefferson Barracks	31.19	42.16	38.77	37.17	72	10	62	2	6	1	1	1	10	3	7	S.	10	17	4	-	„
Fortress Monroe	45.38	53.80	49.96	49.71	67	32	35	2	6	10	-	-	-	9	4	N.E.	12	11	8	-	„
Fort Gibson	38.83	49.74	44.32	44.26	70	19	51	7	1	4	2	13	2	2	-	S.E.	13	17	-	1	„
Augusta Arsl.	48.96	60.25	54.03	54.41	75	34	41	3	3	3	3	7	4	6	2	S.E.	18	4	9	-	Fair.
Canton. Jesup	51.96	59.48	55.48	55.64	78	32	46	-	5	10	1	6	3	6	-	N.E.	9	4	17	1	Cl'dy.
Canton. Clinch	59.16	65.00	62.74	62.30	76	37	39	7	1	2	-	13	7	-	1	S.E.	9	13	9	-	„
Petite Coquille	57.00	63.00	60.00	60.00	80	36	44	1	9	4	12	1	1	-	3	S.E.	13	18	-	-	„
St. Augustine	66.09	71.19	66.03	67.77	83	49	34	8	-	3	-	9	8	1	2	S.E.	18	13	-	-	Fair.
Canton. Brooke	64.77	76.12	68.41	69.77	84	50	34	11	-	-	-	2	2	5	13	W.	30	-	1	-	„

No. II. FEBRUARY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range	N.	N.W.	N.E.	E.	S.E.	S:	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	12.00	28.48	20.51	20.33	46	-17	63	2	8	2	8	4	-	1	4	E.	11	2	2	14	Cl'dy.
Fort Snelling	8.45	26.96	14.00	16.80	50	-22	72	2	8	-	1	1	6	5	6	N.W.	13	6	-	10	"
Fort Howard	19.06	29.86	21.51	23.48	49	-12	51	9	3	-	-	-	13	-	4	S.	18	11	-	-	Fair.
Fort Preble	30.58	37.58	33.13	33.76	50	10	40	3	8	1	-	3	6	6	2	N.W.	14	9	4	2	Cl'dy.
Fort Constitution	31.10	41.06	34.24	35.47	59	13	46	-	7	2	1	1	5	9	4	S.W.	14	14	1	-	"
Fort Wolcott	36.03	42.00	38.00	38.68	52	19	33	3	7	3	-	4	2	8	2	S.W.	11	7	7	4	"
Fort Armstrong	26.44	36.79	31.00	31.08	58	-2	60	3	4	4	2	2	8	2	4	S.	22	5	1	1	Fair.
West Point	34.58	44.93	38.65	39.39	65	8	57	4	7	1	3	4	6	3	1	N.W.	16	7	4	2	"
Fort Trumbull	41.86	46.37	44.75	44.33	56	28	28	-	6	1	2	4	3	9	4	S.W.	11	6	10	2	Cl'dy.
Fort Columbus	36.65	44.72	42.58	41.32	60	17	43	1	16	3	-	3	-	6	-	N.W.	11	15	3	-	"
Washington city	41.13	55.48	45.16	47.26	65	23	42	1	9	4	-	7	2	5	1	N.W.	13	5	11	-	"
Jefferson Barracks	38.31	48.38	41.76	42.82	70	12	58	-	12	2	3	4	2	1	5	N.W.	14	12	2	1	"
Fortress Monroe	48.93	57.20	54.41	53.51	71	38	33	1	7	7	3	2	3	6	-	N.W.	14	8	7	-	"
Fort Gibson	40.55	54.89	47.44	47.63	69	26	43	2	5	1	3	16	-	2	-	S.E.	15	11	2	1	Fair.
Augusta Arsl.	52.00	63.55	57.44	57.66	76	42	34	6	4	4	1	3	6	3	2	S.	8	9	12	-	Cl'dy.
Canton. Jesup.	55.44	64.31	56.82	58.86	86	36	50	2	2	5	2	9	7	1	1	S.E.	13	1	15	-	"
Canton. Clinch	60.89	67.37	65.13	61.13	76	48	28	3	3	4	4	2	1	12	-	S.W.	13	6	10	-	"
Petite Coquille	60.00	68.00	66.00	64.67	75	44	31	1	4	3	7	1	4	4	5	S.E.	22	1	6	-	Fair.
St. Augustine	71.94	74.37	68.51	71.61	84	52	32	1	3	5	1	7	6	3	3	S.E.	20	8	1	-	"
Canton. Brooke	65.17	78.96	70.40	71.51	82	50	32	4	-	-	-	5	4	10	6	S.W.	25	-	4	-	"

No. III. MARCH.

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	19.19	40.09	26.90	28.73	58	-15	73	3	6	2	3	13	2	2	-	S.E.	15	5	3	8	Fair.
Fort Snelling	25.51	41.38	29.83	32.24	56	-18	74	-	8	-	3	1	11	2	6	S.	20	4	3	4	„
Fort Howard	26.87	41.87	31.06	36.60	70	-10	80	4	5	-	-	1	13	4	4	S.	22	9	-	-	„
Fort Preble	30.06	41.00	33.42	34.83	54	10	44	-	10	4	-	9	2	6	-	N.W.	16	11	3	1	„
Fort Constitution	31.96	42.51	33.96	36.14	66	14	52	1	9	3	4	1	7	2	3	N.W.	18	11	1	1	„
Fort Wolcott	35.19	45.77	39.35	40.10	61	17	44	11	5	5	1	2	2	3	2	N.	19	6	3	3	„
Fort Armstrong	34.93	44.38	37.77	35.69	74	6	68	3	1	6	4	1	13	1	2	S.	23	6	1	1	„
West Point	35.83	49.35	40.12	41.77	82	16	66	4	9	3	3	5	3	3	1	N.W.	16	8	5	2	„
Fort Trumbull	40.51	46.93	45.16	43.20	64	26	48	2	5	4	2	6	4	6	2	S.W.	16	8	5	2	„
Fort Columbus	36.96	45.70	39.58	40.75	76	24	52	5	6	5	11	-	-	2	2	E.	17	12	2	-	„
Washington city	40.70	55.29	46.58	47.52	76	23	53	1	7	5	2	9	4	2	1	S.E.	14	10	7	-	Cl'dy.
Jefferson Barracks	42.38	57.70	48.22	49.43	80	14	66	3	11	-	1	-	6	8	2	N.W.	16	12	2	1	Fair.
Fortress Monroe	48.35	56.83	53.12	52.77	71	30	41	3	3	6	-	11	-	6	2	S.E.	15	12	4	-	Cl'dy.
Fort Gibson	47.71	62.38	54.12	54.74	82	28	54	2	8	1	1	19	-	-	-	S.E.	13	17	1	-	„
Augusta Arsl.	52.41	66.87	59.03	59.47	79	33	46	4	2	2	1	8	10	2	2	S.	12	10	9	-	„
Canton. Jesup	55.29	67.93	60.35	61.19	82	42	40	9	2	4	2	4	8	1	1	N.	20	3	8	-	Fair.
Canton. Clinch	59.66	67.53	61.63	62.94	75	40	35	1	5	1	-	8	3	12	1	S.W.	20	4	7	-	„
Petite Coquille	65.00	65.00	63.00	64.33	78	52	26	2	6	8	5	1	4	2	3	S.E.	21	5	5	-	„
St. Augustine	60.32	68.93	63.38	64.21	80	46	34	4	3	7	1	11	1	4	-	S.E.	27	1	3	-	„
Canton. Brooke	60.06	75.42	68.06	64.51	82	46	36	6	1	-	3	4	1	3	13	W.	30	-	1	-	„

No. IV. APRIL.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	34.33	48.56	35.16	39.35	66	13	53	1	13	1	10	-	1	-	4	N.W.	16	6	4	4	Fair.
Fort Snelling	40.10	52.63	42.40	45.04	78	18	60	1	6	1	6	6	4	1	5	E.	15	5	5	5	Equal.
Fort Howard	36.50	50.33	38.70	41.84	70	21	49	13	5	5	-	1	4	-	2	N.	14	11	2	3	Cl'dy.
Fort Preble	38.33	51.73	39.00	43.02	58	36	22	5	3	4	1	4	2	8	3	S.W.	20	5	4	1	Fair.
Fort Constitution	40.00	48.30	40.43	42.91	61	32	29	2	10	7	3	-	3	2	3	N.W.	17	10	2	1	„
Fort Wolcott	40.13	57.30	43.36	44.93	65	31	34	9	6	4	3	1	-	3	4	N.	11	14	2	3	Cl'dy.
Fort Armstrong	43.76	55.23	45.76	48.25	79	20	59	5	2	6	7	2	4	1	3	E.	19	10	-	1	Fair.
West Point	41.23	55.40	46.53	47.72	68	32	36	6	11	4	1	5	-	3	-	N.W.	17	8	3	2	„
Fort Trumbull	45.36	51.63	49.60	48.86	60	41	19	2	8	6	1	4	1	8	-	S.W.	16	11	3	-	„
Fort Columbus	41.10	50.36	44.36	45.27	69	32	37	2	8	8	2	2	1	4	3	N.W.	10	15	3	2	Cl'dy.
Washington city	45.40	56.66	49.26	50.44	70	32	38	-	15	6	1	5	1	2	-	N.W.	9	10	10	1	„
Jefferson Barracks	49.70	62.76	55.10	55.85	83	24	59	2	10	1	1	2	3	4	7	N.W.	19	2	8	1	Fair.
Fortress Monroe	55.56	61.53	58.50	58.53	71	41	30	2	6	12	-	2	-	5	3	N.E.	13	9	7	1	Cl'dy.
Fort Gibson	53.16	65.23	58.80	59.06	82	28	54	1	5	2	1	21	-	-	-	S.E.	18	7	5	-	Fair.
Augusta Arsl.	57.90	71.80	63.13	64.28	89	35	54	3	4	-	-	5	2	10	6	S.W.	19	8	3	-	„
Canton. Jesup	59.30	72.50	63.10	64.97	85	35	50	2	3	9	5	2	4	5	-	N.E.	20	1	9	-	„
Canton. Clinch	60.06	70.46	66.13	65.55	79	38	51	-	4	2	-	6	8	9	1	S.W.	24	3	3	-	„
Petite Coquille	67.96	72.83	70.63	70.47	85	49	36	-	-	1	11	9	1	2	6	E.	25	2	3	-	„
St. Augustine	66.43	72.73	67.70	68.95	86	30	56	-	3	10	-	13	-	3	1	S.E.	24	3	3	-	„
Canton. Brooke	62.83	77.50	69.20	69.84	90	40	50	5	3	2	1	4	-	7	8	W.	21	4	5	-	„

No. V. MAY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	58.51	70.25	54.93	61.23	77	34	43	1	6	1	11	1	-	3	8	E.	13	1	16	1	Cl'dy.
Fort Snelling	57.74	66.90	56.19	60.28	76	36	40	1	7	3	5	1	8	5	1	S.	19	2	9	1	Fair.
Fort Howard	50.32	68.83	51.22	56.79	82	30	52	7	3	6	-	-	14	1	-	S.	20	10	1	-	"
Fort Preble	51.25	58.51	48.83	52.86	68	40	28	4	1	7	3	10	4	2	-	S.E.	10	11	10	-	Cl'dy.
Fort Constitution	49.25	68.19	50.32	59.25	74	43	29	-	5	12	2	1	7	1	3	N.E.	15	10	6	-	"
Fort Wolcott	51.41	63.80	53.87	56.36	75	42	33	7	4	2	5	5	-	6	2	N.	14	9	8	-	"
Fort Armstrong	60.06	68.61	57.41	62.03	79	42	37	4	-	4	2	2	11	1	7	S.	21	6	4	-	Fair.
West Point	56.54	70.00	59.74	61.76	80	48	32	2	10	4	-	3	4	5	3	N.W.	14	11	6	-	Cl'dy.
Fort Trumbull	57.71	61.51	59.06	59.43	69	52	17	1	4	6	2	9	1	5	3	S.E.	14	9	8	-	"
Fort Columbus	56.16	66.87	57.18	60.07	78	44	34	2	5	3	2	6	7	3	3	S.	18	5	8	-	Fair.
Washington city	61.61	73.54	65.72	66.96	86	48	38	1	13	3	1	2	9	2	-	N.W.	12	12	7	-	Cl'dy.
Jefferson Barracks	64.70	78.00	67.38	70.03	90	52	38	9	3	3	2	5	3	5	1	N.	25	2	4	-	Fair.
Fortress Monroe	66.22	74.06	70.54	70.27	84	60	24	1	-	12	-	5	1	8	4	N.E.	23	4	4	-	"
Fort Gibson	65.67	79.42	69.00	71.36	86	54	32	-	2	-	-	29	-	-	-	S.E.	17	9	5	-	"
Augusta Arsl.	70.96	83.09	75.67	76.57	94	63	31	2	5	5	-	7	3	3	6	S.E.	19	4	8	-	"
Canton. Jesup	70.29	80.87	73.67	74.94	92	60	32	4	-	4	3	5	8	5	2	S.	24	1	6	-	"
Canton. Clinch	72.41	80.32	75.67	76.13	90	65	25	-	4	1	-	1	3	22	-	S.W.	20	1	10	-	"
Petite Coquille	76.35	81.69	79.19	79.08	90	70	20	1	2	-	8	6	3	5	6	E.	24	1	6	-	Fair.
St. Augustine	75.22	80.45	76.38	77.32	90	71	19	3	-	8	1	14	1	3	1	S.E.	24	3	4	-	"
Canton. Brooke	71.64	80.09	76.48	76.07	90	66.	24	-	5	3	3	3	3	11	3	S.W.	24	-	7	-	Cl'dy.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	49.23	61.53	47.63	52.80	91	39	52	-	1	2	9	4	1	2	11	W.	15	5	10	-	Equal.
Fort Snelling	66.40	79.06	70.00	71.82	92	56	36	-	2	-	1	8	8	5	6	S.	21	-	9	-	Fair.
Fort Howard	67.73	75.26	66.20	69.73	90	48	42	3	4	2	-	5	4	9	3	S.W.	18	11	1	-	"
Fort Preble	63.86	75.96	62.10	67.31	90	48	42	-	3	1	3	6	7	8	2	S.	15	7	8	-	Equal.
Fort Constitution	63.30	69.06	59.80	64.05	90	50	40	1	1	5	2	2	15	2	2	S.	13	16	1	-	Cl'dy.
Fort Wolcott	63.86	72.70	65.80	67.45	81	53	28	-	1	-	1	6	6	16	-	S.W.	13	11	6	-	"
Fort Armstrong	73.54	81.03	72.06	75.54	94	54	40	-	1	3	1	3	16	1	5	S.	27	3	-	-	Fair.
West Point	68.80	82.20	70.56	73.85	98	58	40	1	5	-	-	4	9	8	3	S.	21	7	2	-	"
Fort Trumbull	65.83	73.33	71.13	70.10	82	61	21	-	1	2	3	7	9	7	1	S.	14	10	6	-	Cl'dy.
Fort Columbus	68.33	79.60	68.86	72.26	90	60	30	-	2	2	-	8	6	10	2	S.W.	18	10	2	-	Fair.
Washington city	74.96	85.36	77.56	79.29	93	64	29	2	4	1	-	7	9	6	1	S.	21	4	5	-	"
Jefferson Barracks	77.30	87.83	76.93	80.69	100	66	34	1	3	3	-	11	1	11	-	S.E.	20	-	10	-	"
Fortress Monroe	76.00	83.96	77.30	79.09	91	68	23	-	1	4	2	6	2	14	1	S.W.	19	5	6	-	"
Fort Gibson	77.06	88.20	78.23	81.16	96	66	30	-	1	-	-	26	-	3	-	S.E.	22	4	4	-	"
Augusta Arsl.	80.63	87.63	81.86	83.37	95	62	33	2	9	2	-	7	1	6	3	N.W.	19	4	7	-	"
Canton. Jesup	76.86	90.43	81.10	82.79	97	66	31	-	1	4	-	5	8	11	1	S.W.	23	3	4	-	"
Canton. Clinch	77.23	84.13	81.76	81.04	94	72	22	-	2	3	-	-	-	23	2	S.W.	20	4	6	-	"
Petite Coquille	81.40	86.73	82.16	83.43	93	77	16	-	2	1	2	8	1	7	9	W.	20	6	4	-	"
St. Augustine	79.73	84.03	80.53	81.43	88	74	14	-	1	4	-	23	-	2	-	S.E.	14	6	10		Cl'dy.
Canton. Brooke	74.96	87.43	80.03	80.47	94	70	24	-	6	1	5	2	1	8	7	S.W.	21	-	9		Fair.

No. VII. JULY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	61.67	69.96	59.96	67.20	81	47	34	1	1	6	-	-	6	12	5	W.	15	7	9	-	Cl'dy.
Fort Snelling	75.09	82.64	71.48	76.40	90	61	29	1	4	-	-	1	9	4	12	W.	29	-	2	-	Fair.
Fort Howard	65.54	78.29	65.42	69.75	92	56	36	1	2	3	-	4	13	7	1	S.	17	10	4	-	„
Fort Preble	66.25	80.67	65.64	70.85	88	59	29	-	-	-	2	3	16	5	5	S.	22	4	5	-	„
Fort Constitution	66.58	74.77	66.12	69.16	87	50	37	-	2	2	3	1	9	8	6	S.	19	10	2	-	„
Fort Wolcott	67.83	75.83	70.74	71.47	85	62	23	1	5	1	1	3	3	13	4	S.W.	13	11	7	-	Cl'dy.
Fort Armstrong	76.38	83.80	70.38	76.85	94	63	31	6	2	1	1	2	11	4	4	S.	29	2	-	-	Fair.
West Point	71.06	83.64	71.54	75.41	96	64	32	3	10	-	-	1	6	7	4	N.W.	18	6	7	-	„
Fort Trumbull	71.77	77.32	74.61	74.57	86	67	19	-	-	-	-	5	9	17	-	S.W.	25	6	-	-	„
Fort Columbus	70.64	82.58	70.80	74.67	99	63	36	-	1	1	-	4	8	9	8	S.W.	21	3	7	-	„
Washington city	73.90	84.41	76.03	78.11	94	66	28	-	11	1	-	3	4	11	1	S.W.	16	8	7	-	„
Jefferson Barracks	73.03	87.96	77.25	79.41	98	62	36	-	10	11	-	9	-	1	-	N.E.	26	1	4	-	„
Fortress Monroe	75.90	82.93	79.90	79.58	91	69	22	-	1	5	-	2	-	20	3	S.W.	18	7	6	-	„
Fort Gibson	76.19	90.83	78.22	81.75	101	70	31	-	2	3	3	19	1	3	-	S.E.	23	8	-	-	„
Augusta Arsl.	76.48	86.67	81.83	81.66	96	65	31	1	10	-	-	1	-	14	5	S.W.	22	4	5	-	„
Canton. Jesup	77.22	91.25	81.61	83.33	97	75	22	10	4	4	-	5	3	5	-	N.	28	3	-	-	„
Canton. Clinch	77.54	87.38	81.67	82.20	92	70	22	4	7	-	-	2	3	15	-	S.W.	20	5	6	-	„
Petite Coquille	80.83	86.19	82.77	83.26	92	74	18	1	4	3	4	5	1	9	4	S.W.	22	2	7	-	„
St. Augustine	79.58	84.19	81.16	81.64	90	76	14	-	1	5	1	18	1	2	3	S.E.	15	8	8	-	Cl'dy.
Canton. Brooke	76.77	86.64	80.09	81.17	94	70	24	1	2	-	1	4	5	15	3	S.W.	17	-	14	-	Fair.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	60.71	73.00	60.87	64.86	86	49	37	-	2	5	4	1	5	12	2	W.	15	11	5	-	Cl'dy.
Fort Snelling	72.19	81.03	70.16	74.46	88	58	30	2	1	-	-	1	9	8	10	W.	26	4	1	-	Fair.
Fort Howard	64.03	77.51	67.54	69.69	92	48	44	2	3	6	-	5	11	2	2	S.	14	3	14	-	Cl'dy.
Fort Preble	66.45	80.83	64.70	70.66	90	58	32	-	5	1	2	5	9	5	4	S.	26	1	4	-	Fair.
Fort Constitution	65.70	73.25	66.22	68.36	86	58	28	-	4	3	1	2	14	2	5	S.	26	5	-	-	„
Fort Wolcott	68.41	77.74	71.96	72.70	86	63	23	2	3	1	1	2	5	13	4	S.W.	22	5	4	-	„
Fort Armstrong	75.03	84.16	71.00	76.73	95	64	31	-	1	2	4	3	14	1	6	S.	28	2	1	-	„
West Point	70.96	85.41	73.38	76.58	90	63	27	1	6	-	-	1	9	9	5	S.W.	27	1	3	-	„
Fort Trumbull	71.80	77.72	75.00	74.84	86	65	21	1	5	3	1	2	2	17	-	S.W.	26	2	3	-	„
Fort Columbus	72.00	85.61	71.90	76.50	95	63	32	-	1	3	1	2	13	4	7	S.	24	4	3	-	„
Washington city	73.74	85.32	78.22	79.09	93	65	28	-	7	4	-	5	12	3	-	S.	17	8	6	-	„
Jefferson Barracks	73.09	91.80	79.80	81.56	100	64	36	-	4	4	-	13	-	9	1	S.E.	22	1	8	-	„
Fortress Monroe	76.96	83.87	80.71	80.51	91	71	20	-	-	5	1	7	3	9	6	S.W.	21	5	5	-	„
Fort Gibson	76.77	91.48	77.87	82.04	100	71	29	-	-	1	3	24	2	1	-	S.E.	22	9	-	-	„
Augusta Arsl.	76.70	87.09	81.03	81.61	95	72	23	3	7	7	-	6	2	2	4	N.W.	5	19	7	-	Cl'dy
Canton. Jesup	77.32	88.61	80.41	82.11	96	72	24	2	-	11	-	7	6	4	1	N.E.	14	17	-	-	„
Canton. Clinch	78.58	86.80	81.22	82.20	91	74	17	2	5	2	2	2	3	13	2	S.W.	14	-	17	-	„
Petite Coquille	80.83	86.09	83.03	83.32	92	74	18	1	1	2	10	4	2	9	2	E.	13	4	14	-	„
St. Augustine	80.54	84.64	80.83	82.00	87	78	9	-	2	-	1	24	-	4	-	S.E.	13	10	8	-	„
Canton. Brooke	76.87	88.25	80.16	81.70	94	74	20	-	1	-	5	5	12	8	-	S.	17	-	14	-	Fair.

No. IX. SEPTEMBER.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	52.26	62.06	50.23	54.85	76	38	38	2	2	6	2	1	7	8	2	W.	10	10	10	-	Cl'dy.
Fort Snelling	55.30	65.90	55.30	58.83	78	44	34	4	2	1	1	2	3	7	10	W.	22	6	2	-	Fair.
Fort Howard	48.60	63.60	53.70	55.30	79	35	34	7	1	1	-	6	9	3	3	S.	9	14	7	-	Cl'dy.
Fort Preble	58.60	68.53	59.40	62.18	68	48	20	1	2	9	3	5	9	1	-	N.E.	17	11	2	-	Fair.
Fort Constitution	58.36	68.23	60.13	62.24	79	50	29	2	1	7	4	2	7	4	3	S.	17	10	3	-	"
Fort Wolcott	62.26	70.53	65.00	65.93	82	56	26	6	3	4	1	2	2	12	-	S.W.	17	8	5	-	"
Fort Armstrong	56.20	69.26	57.06	60.84	82	44	38	8	3	1	3	4	6	2	3	N.	19	8	3	-	"
West Point	65.23	71.66	69.03	68.64	90	58	32	3	6	1	-	3	4	8	5	S.W.	20	2	8	-	"
Fort Trumbull	66.83	71.80	69.26	69.30	86	60	26	3	-	10	3	4	2	6	2	N.E.	15	9	6	-	Equal.
Fort Columbus	61.26	76.70	62.40	66.79	92	53	39	1	2	8	1	1	4	8	5	S.W.	21	2	7	-	Fair.
Washington city	62.13	74.23	65.86	67.41	94	50	44	1	9	4	-	5	8	2	1	N.W.	15	9	6	-	Equal.
Jefferson Barracks	61.93	74.40	66.33	67.89	86	52	34	-	6	6	-	10	-	7	1	S.E.	24	-	6	-	Fair.
Fortress Monroe	69.56	73.46	70.90	71.31	83	59	24	2	2	14	2	3	-	4	3	N.E.	13	9	8	-	Cl'dy.
Fort Gibson	64.13	79.73	65.30	69.72	92	48	44	8	1	-	2	18	1	-	-	S.E.	19	11	-	-	Fair.
Augusta Arsl.	65.53	78.96	71.90	72.13	88	58	30	3	9	8	-	2	1	5	2	N.W.	12	16	2	-	Cl'dy.
Canton. Jesup	67.80	80.63	71.93	73.45	90	62	28	6	1	16	3	1	2	1	-	N.E.	19	8	3	-	Fair.
Canton. Clinch	70.26	82.33	76.06	76.22	87	56	31	2	3	4	2	5	4	10	-	S.W.	24	1	5	-	"
Petite Coquille	74.76	82.03	79.06	78.62	88	65	23	-	5	5	7	6	1	2	4	E.	24	2	4	-	"
St. Augustine	77.43	82.30	79.26	79.66	85	72	13	-	2	8	1	17	-	2	-	S.E.	15	7	8	-	Equal.
Canton. Brooke	73.96	86.10	77.93	79.33	92	68	24	-	-	-	8	10	2	6	4	S.E.	22	-	8	-	Fair.

No. X.

OCTOBER.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	43.03	51.35	42.22	45.53	70	27	43	1	2	7	4	4	2	9	2	S.W.	10	14	5	2	Cl'dy.
Fort Snelling	42.00	60.25	48.12	50.12	80	28	52	3	4	-	1	2	2	8	11	W.	27	3	1	-	Fair.
Fort Howard	38.80	58.58	47.90	48.43	82	24	58	7	1	1	-	3	7	7	5	S.W.	16	15	-	-	"
Fort Preble	44.12	57.38	45.80	49.10	68	28	40	-	5	-	1	3	16	5	1	S.	17	10	4	-	"
Fort Constitution	44.61	57.25	49.35	50.40	74	30	44	-	8	1	1	3	8	5	5	N.W.	18	12	1	-	"
Fort Wolcott	49.96	58.80	53.93	54.23	67	34	33	-	12	5	1	1	1	10	1	N.W.	15	12	4	-	Cl'dy.
Fort Armstrong	49.03	60.93	52.90	54.29	82	34	48	5	2	1	2	3	14	-	4	S.	30	1	-	-	Fair.
West Point	50.19	61.67	55.12	55.99	73	30	43	-	13	-	1	3	5	5	4	N.W.	21	7	3	-	"
Fort Trumbull	55.09	60.19	58.83	58.04	70	44	26	1	5	1	5	4	2	8	5	S.W.	22	6	3	-	"
Fort Columbus	48.09	60.00	52.09	53.39	71	33	38	2	8	2	3	3	5	7	1	N.W.	22	6	3	-	"
Washington city	45.80	64.09	54.48	54.79	76	27	49	-	8	5	-	1	12	4	1	S.	19	9	3	-	"
Jefferson Barracks	43.29	59.22	49.74	50.75	70	34	36	-	2	3	2	8	2	11	3	S.W.	26	3	2	-	"
Fortress Monroe	60.45	66.16	63.25	63.29	70	49	21	1	2	13	1	5	2	4	3	N.E.	17	8	6	-	"
Fort Gibson	60.19	77.03	60.83	66.02	90	46	44	-	6	-	-	25	-	-	-	S.E.	22	7	2	-	"
Augusta Arsl.	57.93	71.35	84.93	71.40	81	41	40	7	13	5	1	1	-	2	2	N.W.	22	6	3	-	"
Canton. Jesup	61.74	76.29	65.22	67.75	84	48	36	4	4	7	5	4	3	4	-	N.E.	23	7	1	-	"
Canton. Clinch	62.87	76.90	68.83	69.53	83	46	37	7	1	5	3	6	5	4	-	N.	28	-	3	-	"
Petite Coquille	70.80	76.80	74.51	74.04	84	56	28	1	7	2	11	2	-	2	6	E.	26	2	3	-	"
St. Augustine	69.74	75.06	71.29	72.03	80	56	24	3	3	13	1	9	-	2	-	N.E.	14	9	8	-	Cl'dy.
Canton. Brooke	67.29	82.25	72.29	73.94	86	47	39	2	5	3	7	4	-	10	-	S.W.	24	5	2	-	Fair.

No. XI. NOVEMBER.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	31.06	38.63	33.80	34.50	59	21	38	5	2	5	6	3	2	3	4	E.	5	25	-	-	Cl'dy.
Fort Snelling	30.70	40.23	34.60	35.18	55	18	37	2	6	3	-	1	2	5	11	W.	7	13	2	8	"
Fort Howard	30.93	38.73	34.13	34.60	53	15	38	-	6	6	1	1	1	10	5	S.W.	10	20	-	-	"
Fort Preble	36.40	43.66	37.33	39.13	58	22	36	3	5	1	-	4	8	4	5	S.	8	10	8	4	"
Fort Constitution	38.86	46.50	40.20	41.85	66	24	32	1	9	3	2	-	4	4	7	N.W.	17	9	4	-	Fair.
Fort Wolcott	43.16	48.96	45.20	45.77	65	26	39	1	11	4	2	1	1	9	1	N.W.	13	7	9	1	Cl'dy.
Fort Armstrong	37.50	47.13	38.03	40.89	62	30	32	6	1	1	5	2	10	2	3	S.	20	7	2	1	Fair.
West Point	41.56	49.43	44.10	45.03	68	24	44	2	9	-	1	5	6	6	1	N.W.	13	6	10	1	Cl'dy.
Fort Trumbull	49.40	53.56	51.66	51.54	67	40	27	3	4	1	5	5	3	3	6	W.	12	5	12	1	"
Fort Columbus	42.66	48.00	44.16	44.94	63	27	36	-	9	5	1	1	3	4	7	N.W.	19	1	9	1	Fair.
Washington city	42.60	52.80	46.60	47.33	70	29	41	-	10	5	-	5	6	4	-	N.W.	11	11	6	2	Cl'dy.
Jefferson Barracks	43.33	60.06	48.26	50.55	70	34	36	3	4	4	1	7	1	10	-	S.W.	25	1	3	1	Fair.
Fortress Monroe	54.13	59.90	56.90	56.98	82	38	44	3	2	9	1	2	-	8	5	N.E.	17	5	8	-	"
Fort Gibson	48.40	66.06	51.70	55.39	80	38	42	5	3	-	3	17	-	1	1	S.E.	24	6	-	-	"
Augusta Arsl.	53.50	60.80	55.93	56.74	75	41	34	1	9	3	-	-	2	10	5	S.W.	24	3	3	-	"
Cant. Jesup	53.26	67.63	57.40	59.43	80	30	50	3	8	3	1	7	3	3	2	N.W.	20	9	1	-	"
Cant. Clinch	57.43	67.76	60.80	62.00	80	36	44	1	11	2	-	2	8	4	2	N.W.	21	2	7	-	"
Petite Coquille	63.83	70.90	66.36	67.03	78	49	29	-	5	-	6	6	1	6	6	S.E.	23	3	4	-	"
St. Augustine	64.20	69.16	65.63	66.33	81	54	27	2	12	1	1	14	-	-	-	S.E.	24	2	4	-	"
Cant. Brooke	60.73	77.00	67.10	68.28	82	46	36	3	4	3	3	1	1	11	4	S.W.	26	-	4	-	"

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	19.67	28.29	23.25	23.74	42	2	40	2	7	8	-	-	4	5	5	N.E.	5	26	-	-	Cl'dy.
Fort Snelling	20.06	30.74	23.80	24.87	44	-3	47	6	4	2	-	1	2	5	11	W.	18	11	-	2	Fair.
Fort Howard	20.87	29.22	23.64	24.58	43	-6	49	2	5	1	1	1	3	12	6	S.W.	21	10	-	-	"
Fort Preble	28.53	37.22	31.54	32.43	52	-2	54	-	7	2	1	1	8	9	3	S.W.	16	15	-	-	"
Fort Constitution	31.00	40.64	33.38	35.01	57	4	53	-	11	-	1	-	-	13	6	S.W.	19	12	-	-	"
Fort Wolcott	34.96	43.32	36.93	38.40	57	10	47	1	9	1	-	1	2	11	6	S.W.	5	14	12	-	Cl'dy.
Fort Armstrong	29.93	39.83	30.64	33.47	59	10	49	6	-	-	1	3	11	3	7	S.	25	5	1	-	Fair.
West Point	35.67	46.71	37.54	39.97	62	12	50	2	10	3	-	-	11	3	2	S.	23	6	2	-	"
Fort Trumbull	42.45	48.74	45.80	45.66	58	18	40	1	1	1	1	3	2	8	14	W.	22	5	4	-	"
Fort Columbus	35.19	43.06	37.77	38.67	54	20	34	-	13	-	-	-	7	9	2	N.W.	24	4	3	-	"
Washington city	35.77	49.09	40.35	41.74	62	18	44	1	13	3	-	2	8	4	-	N.W.	18	10	3	-	"
Jefferson Barracks	38.35	52.87	43.32	44.85	60	30	30	10	1	3	-	9	2	5	1	N.	24	3	4	-	"
Fortress Monroe	44.09	50.70	47.93	47.57	64	30	34	5	11	5	1	1	4	3	1	N.W.	22	5	4	-	"
Fort Gibson	40.54	57.03	46.00	47.86	74	26	48	-	5	8	-	18	-	-	-	S.E.	20	5	6	-	"
Augusta Arsl.	49.03	60.54	53.74	54.44	72	34	38	3	7	5	-	2	6	4	4	N.W.	21	4	6	-	"
Canton. Jesup	49.71	60.00	54.00	54.57	74	34	40	5	8	6	-	7	2	3	-	N.W.	14	8	9	-	Cl'dy.
Canton. Clinch	59.00	66.00	61.00	62.00	75	50	25	-	6	4	2	-	12	3	4	S.	21	-	10	-	Fair.
Petite Coquille	61.96	68.06	62.83	64.28	80	48	32	2	4	6	8	6	-	2	3	E.	20	9	2	-	"
St. Augustine	64.93	69.93	65.85	66.90	77	50	27	3	10	4	-	13	1	-	-	S.E.	15	7	9	-	Cl'dy.
Canton. Brooke	64.54	76.29	69.12	69.98	82	50	32	1	-	9	6	8	4	3	-	N.E.	25	1	5	-	Fair.

No. XIII. MEAN OF THE OBSERVATIONS FOR 1828.

PLACES OF OBSERVATION.	Latitude.	Longitude.	THERMOMETER. Mean Temperature. A.M. VII.	P.M. II.	P.M. IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow Days.	Prevailing.
Fort Brady	46.39	84.83	37.95	49.78	39.41	42.38	91	-20	111	1.59	4.67	3.75	5.17	3.33	2.59	5.00	4.42	S.W.	11.33	9.75	5.42	4.00	Cl'dy.
Fort Snelling	44.53	93.08	41.43	53.92	43.68	46.34	92	-22	114	2.25	5.00	0.83	1.50	2.08	5.83	5.00	8.00	W.	19.75	4.92	2.83	3.00	Fair.
Fort Howard	44.40	87.00	40.46	53.19	43.20	45.62	92	-20	112	4.92	3.58	2.75	0.25	2.25	8.67	5.00	3.08	S.	16.50	10.83	2.50	0.67	,,
Fort Preble	43.38	70.18	44.81	55.29	45.68	48.59	90	-2	92	1.50	4.50	2.83	1.58	5.17	7.25	5.42	2.25	S.	16.17	10.00	4.50	0.67	,,
F't Constitution	43.04	70.49	45.52	55.36	46.87	49.25	90	1	89	0.83	6.17	4.08	2.17	1.08	6.83	4.50	4.75	S.	16.25	11.25	2.75	0.25	,,
Fort Wolcott	41.30	71.18	48.80	57.33	51.53	52.55	86	6	80	3.75	6.42	2.92	1.50	2.58	2.08	8.92	2.33	N.W.	13.92	9.33	6.17	1.08	Cl'dy.
Fort Armstrong	41.28	90.33	48.54	58.33	49.04	51.97	95	-6	101	4.25	1.83	2.58	3.08	2.50	10.25	1.67	4.33	S.	23.50	5.42	1.17	0.42	Fair.
West Point	41.22	73.57	50.15	61.55	53.18	54.96	98	6	92	2.67	8.67	1.58	0.75	3.83	5.50	5.08	2.42	N.W.	18.50	6.58	4.58	0.83	,,
Fort Trumbull	41.22	72.05	54.00	59.40	57.26	56.89	86	18	68	1.33	3.83	3.33	2.08	5.17	3.33	7.00	4.58	S.W.	16.92	7.33	5.08	0.67	,,
Fort Columbus	40.42	74.02	49.99	60.01	52.14	54.05	99	9	90	1.50	6.50	4.00	2.00	2.50	4.67	5.83	3.50	N.W.	18.08	7.75	4.42	0.25	,,
Washington city	38.41	76.55	52.96	65.18	57.22	58.45	94	16	78	0.58	9.50	4.00	0.33	4.75	6.58	4.17	0.58	N.W.	14.42	8.92	6.75	0.42	Cl'dy.
Jefferson Bar'ks	38.28	90.08	53.05	66.93	57.74	59.24	100	10	90	2.50	6.00	3.42	0.92	6.58	2.50	6.58	2.00	S.W.	20.83	4.50	4.75	0.33	Fair.
Fortress Monroe	37.02	76.12	60.13	67.03	63.62	63.59	91	30	61	1.67	3.42	8.50	0.92	3.83	1.25	8.00	2.92	N.E.	17.00	7.33	6.08	0.08	,,
Fort Gibson	35.30	95.10	57.43	71.83	60.99	63.42	101	19	82	2.08	3.25	1.67	1.50	20.42	0.50	1.00	0.08	S.E.	19.00	9.25	2.08	0.17	,,
Augusta Arsl.	33.28	81.53	61.84	73.22	68.38	67.81	96	34	62	3.17	6.83	3.67	0.50	4.08	3.08	5.58	3.58	N.W.	16.75	7.58	6.17	0.00	,,
Canton. Jesup	31.30	93.47	63.02	74.99	66.76	68.26	97	30	67	3.92	3.17	6.92	1.83	5.17	4.75	4.08	0.67	N.E.	18.92	5.42	6.08	0.08	,,
Canton. Clinch	30.24	87.14	66.26	75.16	70.22	70.55	94	36	58	2.25	4.33	2.50	1.08	3.92	4.75	10.58	1.08	S.W.	19.50	3.25	7.75	0.00	,,
Petite Coquille	30.10	89.38	70.06	75.61	72.46	72.71	93	36	57	0.83	4.08	2.92	7.58	4.58	1.58	4.17	4.75	E.	21.18	4.58	4.00	0.00	,,
St. Augustine	29.48	81.35	71.35	76.41	72.21	73.32	90	30	60	2.00	3.33	5.67	0.67	14.33	1.50	2.17	0.83	S.E.	18.58	6.42	5.50	-	,,
Canton. Brooke	27.57	82.35	68.30	81.00	73.27	74.19	94	40	54	2.75	2.25	1.75	3.50	4.33	2.92	8.08	5.08	S.W.	23.50	0.83	6.17	-	,,

No. I. JANUARY.

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Hancock Barracks	7.16	15.16	13.25	11.86	47	-24	71	2	14	9	-	6	-	-	-	N.W.	21	-	3	7	Fair.
Fort Snelling	10.80	21.16	15.96	15.97	38	-18	56	-	7	1	-	2	3	11	7	S.W.	24	6	-	1	"
Fort Howard	13.64	24.93	18.29	18.95	49	-8	57	5	5	5	1	1	-	12	2	S.W.	13	18	-	-	Cl'dy.
Fort Preble	16.00	25.35	20.71	20.69	40	-6	46	6	7	4	2	-	3	6	3	N.W.	14	12	4	1	"
Fort Niagara	25.22	31.48	26.64	27.78	54	3	51	2	7	5	1	1	10	4	1	S.	15	10	1	5	"
Fort Constitution	20.87	28.94	23.32	24.38	50	-6	56	6	9	4	-	-	2	3	7	N.W.	13	13	3	2	"
Fort Wolcott	25.51	33.58	27.61	28.90	50	6	44	3	7	3	3	1	1	8	5	S.W.	14	10	5	2	"
Fort Armstrong	20.92	33.22	23.12	25.75	55	-2	57	13	1	-	4	4	6	1	2	N.	22	8	-	1	Fair.
West Point	23.51	32.64	25.16	27.10	56	0	56	2	15	3	1	4	-	5	1	N.W.	15	4	6	6	Cl'dy.
Fort Columbus	25.03	29.51	26.61	27.05	44	7	37	-	12	11	-	4	-	4	-	N.W.	21	1	5	4	Fair.
Washington city	27.58	38.77	31.87	32.74	54	12	42	1	11	7	-	7	3	2	-	N.W.	14	10	3	4	Cl'dy.
Jefferson Barracks	30.61	43.12	35.19	36.31	56	14	42	9	8	7	-	2	2	3	-	N.	22	4	3	2	Fair.
Fortress Monroe	37.16	45.48	41.77	41.47	60	21	39	11	6	6	1	3	-	2	2	N.	16	9	6	-	"
Fort Gibson	34.19	57.35	42.03	44.52	78	20	58	5	1	4	-	20	-	1	-	S.E.	22	7	1	1	"
Augusta Arsl.	40.22	53.67	47.03	46.97	68	15	53	2	5	1	3	8	2	5	5	S.E.	19	5	7	-	"
Canton. Jesup	45.96	58.32	51.09	51.79	74	24	50	5	4	4	-	7	2	9	-	S.W.	17	10	4	-	"
Canton. Clinch	49.97	57.61	56.70	54.76	74	26	48	3	6	12	-	2	7	1	-	N.E.	21	3	7	-	"
Petite Coquille	51.93	60.90	54.06	55.63	72	23	49	2	7	3	6	2	3	6	2	N.W.	19	9	3	-	"

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Hancock Barracks	9.92	20.71	14.82	15.15	40	-7	47	3	12	8	-	3	-	2	-	N.W.	16	-	-	12	Fair.
Fort Snelling	8.07	11.95	2.50	7.51	33	-30	63	2	5	-	-	-	3	3	15	W.	22	2	-	4	„
Fort Howard	-3.17	16.74	7.07	6.88	41	-32	73	6	2	4	1	1	4	6	4	S.W.	12	16	-	-	Cl'dy.
Fort Preble	12.07	29.21	20.64	20.64	34	-2	36	-	3	3	4	2	4	5	7	W.	17	8	1	2	Fair.
Fort Niagara	19.10	25.89	19.96	21.65	52	0	52	1	4	3	-	-	4	8	8	S.W.	15	11	-	2	„
Fort Constitution	16.89	29.07	22.42	22.79	40	5	35	-	13	4	1	-	1	3	6	N.W.	19	9	-	-	„
Fort Wolcott	20.03	30.82	24.07	24.97	42	9	31	1	8	1	4	-	-	3	11	W.	17	2	3	6	„
Fort Armstrong	7.67	18.17	11.38	12.41	50	-16	66	8	2	2	1	-	7	-	8	N.	24	2	-	2	„
West Point	17.10	29.39	22.00	22.83	40	2	38	4	16	1	-	7	-	-	-	N.W.	18	2	2	6	„
Fort Columbus	21.57	30.07	24.67	25.44	41	11	30	-	13	4	1	-	1	3	6	N.W.	19	9	-	-	„
Washington city	22.07	35.42	28.38	28.62	46	8	38	1	16	3	1	2	1	4	-	N.W.	12	10	3	3	Cl'dy.
Jefferson Barracks	14.28	27.03	20.25	20.52	70	1	69	1	9	5	2	8	-	1	2	N.W.	19	3	3	3	Fair.
Fortress Monroe	32.21	39.86	36.14	36.07	54	22	32	7	6	8	-	-	1	3	3	N.E.	11	8	6	3	Cl'dy.
Fort Gibson	22.85	37.51	25.58	28.65	66	0	66	3	3	7	1	11	1	2	-	S.E.	19	8	1	-	Fair.
Augusta Arsl.	37.00	49.89	43.92	40.27	64	25	39	-	15	8	2	2	-	-	1	N.W	10	8	10	-	Cl'dy.
Canton. Jesup	36.85	53.85	45.10	45.27	72	18	54	6	10	4	-	-	2	6	-	N.W.	16	11	1	-	Fair.
Canton. Clinch	47.42	55.82	53.57	52.27	70	30	40	13	4	1	-	-	10	-	-	N.	11	7	9	1	Cl'dy.
Petite Coquille	48.25	56.10	49.17	51.17	70	28	42	4	2	4	6	3	-	4	5	E.	15	11	2	-	Fair.

No. III.

MARCH.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Hancock Barracks	18.87	32.02	25.06	25.32	52	−1	53	2	4	8	3	10	-	4	-	S.E.	23	-	1	7	Fair.
Fort Snelling	21.93	39.51	28.16	29.87	66	0	66	1	-	-	2	2	8	5	13	W.	20	5	3	3	,,
Fort Howard	18.80	35.67	26.83	27.10	61	2	59	2	2	5	2	7	5	8	-	S.W.	15	16	-	-	Cl'dy.
Fort Preble	26.71	37.42	28.38	30.84	56	6	50	1	11	3	2	-	7	3	4	N.W.	16	13	1	1	Fair.
Fort Niagara	29.09	36.05	32.03	32.72	50	19	31	3	12	4	3	1	3	2	3	N.W.	14	14	-	3	Cl'dy.
Fort Constitution	26.45	37.80	29.61	31.29	60	12	48	2	12	4	-	-	4	4	5	N.W.	15	13	1	2	,,
Fort Wolcott	27.74	39.51	31.38	32.88	52	18	34	2	10	3	-	-	1	4	11	W.	20	4	4	3	Fair.
Fort Armstrong	28.12	39.90	29.67	32.56	66	9	55	4	1	3	2	2	11	2	6	S.	20	4	2	5	,,
West Point	28.77	42.16	33.48	34.80	68	17	51	3	19	-	1	5	1	1	1	N.W.	16	8	2	5	,,
Fort Columbus	31.41	48.45	33.77	37.88	78	24	54	-	21	6	-	1	-	3	-	N.W.	24	1	3	3	,,
Washington city	32.45	47.22	39.22	39.63	68	20	48	1	15	3	-	6	4	2	-	N.W.	12	12	5	2	Cl'dy.
Jefferson Barracks	35.87	50.77	41.16	42.60	70	55	15	-	4	3	1	14	-	9	-	S.E.	20	4	5	2	Fair.
Fortress Monroe	38.70	47.67	44.61	43.66	64	24	40	1	4	9	-	-	1	13	3	S.W.	14	10	5	2	Cl'dy.
Fort Gibson	39.38	55.93	50.64	48.32	76	24	52	-	1	11	1	18	-	-	-	S.E.	17	9	4	1	Fair.
Augusta Arsl.	40.80	57.83	51.12	49.92	77	29	46	2	8	3	-	5	1	6	6	N.W.	19	3	9	-	,,
Canton. Jesup	45.68	61.09	52.48	53.08	78	30	48	1	7	1	1	6	2	9	4	S.W.	17	8	6	-	,,
Canton. Clinch	50.64	60.61	56.96	56.07	70	36	34	8	-	-	14	1	6	-	2	E.	16	11	4	-	,,
Petite Coquille	54.80	66.03	54.93	58.55	78	42	36	1	8	5	5	3	1	6	2	N.W.	21	8	2	-	,,

No. IV. APRIL.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Hancock Barracks	33.60	48.73	41.60	41.31	67	22	45	1	7	5	4	8	2	3	-	S.E.	20	-	10	-	Fair.
Fort Snelling	43.46	56.13	44.50	48.03	84	20	54	1	7	1	1	1	8	3	8	S.	24	2	4	-	„
Fort Howard	34.33	48.13	38.03	40.16	76	26	50	8	5	4	1	2	5	5	-	N.	7	23	-	-	Cl'dy.
Fort Preble	39.86	52.06	40.26	44.06	66	32	34	2	5	4	2	3	8	3	3	S.	16	8	6	-	Fair.
Fort Niagara	40.23	53.10	43.06	45.46	79	32	47	5	2	5	-	3	4	4	7	W.	16	8	5	1	„
Fort Constitution	40.76	49.63	41.20	43.86	58	34	24	1	3	6	6	-	8	3	3	S.	18	9	3	-	„
Fort Wolcott	39.23	52.83	41.96	44.67	63	34	29	-	9	4	2	5	-	8	2	N.W.	15	9	6	-	Equal.
Fort Armstrong	45.86	56.86	46.46	49.73	84	34	50	10	2	2	3	-	10	-	3	N.	23	2	5	-	Fair.
West Point	43.00	58.10	48.06	49.72	86	34	52	3	9	-	1	5	2	4	6	N.W.	18	6	5	1	„
Fort Columbus	46.30	64.10	46.40	52.27	82	36	46	-	17	3	-	3	-	5	2	N.W.	22	2	6	-	„
Washington city	45.46	63.83	53.80	54.36	82	36	46	-	16	1	-	2	7	4	-	N.W.	13	11	6	-	„
Jefferson Barracks	52.56	68.30	59.66	60.17	80	48	32	1	2	1	3	11	2	10	-	S.E.	21	9	-	-	„
Fortress Monroe	51.73	61.00	57.83	56.85	81	40	41	-	-	4	1	6	2	13	4	S.W.	19	7	4	-	„
Fort Gibson	51.06	69.33	58.13	59.51	92	36	56	3	9	-	2	5	5	5	1	N.W.	18	9	3	-	„
Augusta Arsl.	49.90	68.63	59.66	59.40	83	33	50	3	6	1	-	1	-	13	6	S.W.	23	3	4	-	„
Canton. Jesup	53.70	72.30	61.03	62.34	87	40	47	3	9	-	2	5	5	5	1	N.W.	18	9	3	-	„
Canton. Clinch	60.16	69.30	65.90	65.12	78	46	32	6	-	-	-	-	19	-	5	S.	18	10	2	-	„
Petite Coquille	62.00	71.60	63.73	65.78	80	50	30	4	12	4	1	3	1	3	2	N.W.	18	9	3	-	„

No. V.

MAY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'y.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Hancock Bar'ks	46.51	64.77	58.03	56.44	91	33	58	1	3	4	6	9	1	6	1	S.E.	20	7	4	-	Fair.
Fort Snelling	54.93	75.51	64.06	68.17	86	50	36	3	4	-	3	-	10	3	8	S.	21	1	9	-	"
Fort Howard	54.54	71.61	57.48	61.21	97	33	64	-	-	5	4	3	15	3	1	S.	17	14	-	-	"
Fort Preble	52.70	65.61	52.12	56.81	92	40	52	1	1	2	1	4	14	5	3	S.	16	8	7	-	"
Fort Niagara	56.32	66.61	55.42	59.45	94	41	53	4	3	6	1	4	6	1	6	S.W.	25	2	4	-	"
Fort Constitu'on	53.77	62.38	52.19	56.11	90	41	49	-	4	3	6	3	8	4	3	S.	16	13	2	-	"
Fort Wolcott	50.80	64.32	52.38	55.83	82	40	42	1	3	4	-	6	1	15	1	S.W.	15	10	6	-	Cl'dy.
Fort Armstrong	63.25	74.71	63.29	67.08	96	38	58	6	1	1	2	2	18	-	1	S.	26	5	-	-	Fair.
West Point	57.19	74.25	61.48	64.31	90	46	44	3	2	-	-	8	1	15	2	S.W.	20	7	4	-	"
Fort Columbus	59.34	73.12	59.09	63.85	91	40	51	1	12	5	1	7	-	5	-	N.W.	20	3	8	-	"
Washington city	59.22	75.00	63.38	65.53	87	47	40	-	6	1	-	8	14	2	-	S.	18	7	6	-	"
Jefferson Bar'ks	67.74	79.25	74.19	73.73	90	42	48	3	8	3	2	2	6	4	3	N.W.	26	5	-	-	"
Fortress Monroe	62.38	70.58	66.80	66.59	81	48	33	1	-	11	3	6	3	5	2	N.E.	16	8	7	-	"
Fort Gibson	71.48	84.64	74.19	76.77	96	50	46	1	-	2	-	28	-	-	-	S.E.	15	7	9	-	Cl'dy.
Augusta Arsl.	61.16	78.77	67.61	69.18	88	47	41	1	1	6	-	9	1	10	3	S.W.	11	3	17	-	"
Canton. Jesup	69.58	81.48	71.96	74.31	94	58	36	1	3	6	5	6	3	4	3	S.E.	11	11	9	-	"
Canton. Clinch	71.32	76.96	73.51	73.93	86	60	26	2	-	-	-	-	25	-	4	S.	6	21	4	-	"
Petite Coquille	74.19	81.19	71.19	75.52	90	64	26	-	6	12	-	6	-	6	1	N.E.	5	12	14	-	"

No. VI. JUNE.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Hancock Bar'ks	51.30	70.53	63.26	61.70	92	35	57	-	2	7	4	9	2	5	1	S.E.	19	3	8	-	Fair.
Fort Snelling	71.73	80.03	69.13	73.63	90	60	30	2	3	1	2	2	5	4	11	W.	24	2	4	-	"
Fort Howard	62.96	79.00	64.33	68.76	92	50	42	4	3	1	3	2	6	8	3	S.W.	18	12	-	-	"
Fort Preble	60.86	74.13	58.60	64.53	84	46	38	3	7	1	1	8	9	-	1	S.	15	10	5	-	"
Fort Niagara	67.76	74.26	65.80	69.27	88	55	33	3	8	2	4	2	1	4	6	N.W.	23	3	4	-	"
F't Constitution	60.63	67.36	59.93	62.64	78	48	30	-	9	2	5	1	11	1	1	S.	19	10	1	-	"
Fort Wolcott	57.90	71.86	59.93	63.23	81	50	31	-	7	4	-	5	1	11	2	S.W.	11	13	6	-	Cl'dy.
Fort Armstrong	70.90	82.53	68.93	74.12	96	56	40	8	-	2	2	1	15	-	2	S.	25	3	2	-	Fair.
West Point	64.20	77.73	67.06	69.66	84	60	24	1	6	1	-	5	7	4	6	S.	21	6	3	-	"
Fort Columbus	67.53	79.90	66.00	71.14	89	58	31	-	10	5	-	3	-	12	-	S.W.	23	1	6	-	"
Washington city	68.30	79.70	72.83	73.61	92	60	32	-	12	-	2	9	2	5	-	N.W.	12	12	6	-	Cl'dy.
Jefferson Bar'ks	69.63	85.33	76.66	77.21	95	58	37	-	13	-	1	2	12	1	1	N.W.	22	8	-	-	Fair.
Fortress Monroe	70.96	77.93	74.30	74.40	84	66	18	1	3	11	-	1	2	7	5	N.E.	14	13	3	-	Cl'dy.
Fort Gibson	66.66	84.20	71.63	74.16	102	60	42	-	-	3	1	26	-	-	-	S.E.	22	4	4	-	Fair.
Augusta Arsl.	72.80	85.36	76.93	78.36	92	61	31	-	1	11	-	6	-	6	6	N.E.	13	6	11	-	Cl'dy.
Canton. Jesup	75.50	87.90	78.26	80.55	94	62	32	1	7	1	5	6	3	7	-	S.W.	18	9	3	-	Fair.
Canton. Clinch	79.10	86.96	82.86	82.94	93	74	19	4	-	-	-	-	18	1	7	S.	2	16	12	-	Cl'dy.
Petite Coquille	80.33	86.70	81.13	82.72	93	72	21	3	8	9	-	2	3	4	1	N.E.	5	16	9	-	"

No. VII. JULY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Hancock Bar'ks	54.41	71.71	64.12	60.08	84	42	42	-	8	1	9	11	-	1	1	S.E.	18	7	6	-	Fair.
Fort Snelling	71.19	80.09	69.26	73.51	88	62	26	4	4	1	4	3	2	1	12	W.	24	3	4	-	„
Fort Howard	63.90	77.64	64.00	65.51	87	52	35	3	3	10	-	1	3	10	1	S.W.	24	7	-	-	„
Fort Preble	62.90	79.48	61.80	68.06	92	54	38	-	1	1	1	4	14	6	4	S.	22	5	4	-	„
Fort Niagara	68.64	76.09	67.54	70.76	88	57	31	-	3	3	3	4	9	2	7	S.	25	2	4	-	„
Fort Constitution	64.35	69.83	62.77	65.65	87	53	34	-	4	1	3	3	10	5	5	S.	20	10	1	-	„
Fort Wolcott	61.61	74.03	63.93	66.52	79	54	25	2	2	4	1	3	3	15	1	S.W.	14	12	5	-	Cl'dy.
Fort Armstrong	71.87	83.38	70.06	75.10	96	50	46	12	1	2	-	3	12	-	1	S.	25	5	1	-	Fair.
West Point	66.29	78.93	72.29	72.50	90	58	32	1	8	1	-	2	7	5	7	N.W.	17	9	5	-	„
Fort Columbus	69.96	82.06	69.16	73.73	95	62	33	2	9	5	2	6	-	7	-	N.W.	24	4	3	-	„
Washington city	69.90	80.70	73.80	74.80	92	58	34	-	7	2	3	3	5	11	-	S.W.	18	5	8	-	„
Jefferson Barracks	70.35	87.29	72.83	76.82	97	62	35	12	3	2	-	4	9	1	-	N.	23	8	-	-	„
Fortress Monroe	74.70	81.22	78.16	78.03	89	68	21	-	-	5	2	2	3	18	1	S.W.	22	5	4	-	„
Fort Gibson	73.71	91.51	77.06	80.76	104	66	38	-	-	6	-	25	-	-	-	S.E.	23	6	2	-	„
Augusta Arsl.	72.87	86.61	76.25	78.58	93	64	29	-	2	5	1	3	-	17	3	S.W.	14	5	12	-	Cl'dy.
Canton. Jesup	77.03	86.51	80.06	81.20	94	66	28	5	6	4	-	4	6	5	1	S.W.	18	8	5	-	Fair.
Canton. Clinch	80.25	86.77	84.03	83.68	94	70	24	9	-	-	2	-	12	-	8	S.	5	16	10	-	Cl'dy.
Petite Coquille	80.67	86.71	81.51	82.90	92	71	21	-	6	5	1	3	-	16	-	S.W.	3	25	3	-	„

No. VIII. AUGUST.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Hancock Bar'ks	56.38	72.29	58.71	62.46	92	48	44	-	6	6	4	5	2	8	-	S.W.	23	6	2	-	Fair.
Fort Snelling	66.67	78.32	69.02	71.34	83	54	29	1	1	-	-	4	8	7	10	S.	26	3	2	-	"
Fort Howard	61.61	76.90	63.83	67.45	85	51	34	5	2	5	1	-	8	9	1	S.W.	26	5	-	-	"
Fort Preble	61.61	76.32	61.41	66.45	84	54	30	2	3	-	1	3	16	3	3	S.	21	6	4	-	"
Fort Niagara	68.38	76.12	70.12	71.54	85	60	25	6	4	1	2	-	7	5	6	S.	28	1	2	-	"
Fort Constitu'n	62.38	69.61	63.00	65.00	80	52	28	-	6	2	1	2	13	4	3	S.	25	5	1	-	"
Fort Wolcott	62.90	74.80	65.00	67.57	80	54	26	1	4	3	-	3	1	18	1	S.W.	17	9	5	-	"
Fort Armstrong	71.80	82.93	69.90	74.88	92	58	34	8	-	1	1	-	21	-	-	S.	27	3	1	-	"
West Point	66.61	77.77	69.64	71.34	86	60	26	2	12	-	1	2	7	4	3	N.W.	21	6	4	-	"
Fort Columbus	71.19	82.19	71.61	75.00	91	61	30	1	6	6	2	9	1	6	-	S.E.	19	2	10	-	"
Washington city	67.35	80.77	73.61	73.91	92	60	32	-	10	4	1	4	5	7	-	N.W.	18	4	9	-	"
Jefferson Bar'ks	72.41	85.64	72.87	76.97	97	62	35	2	1	3	4	3	16	1	1	S.	29	2	-	-	"
Fortress Monroe	76.09	81.58	79.03	78.90	89	70	19	2	3	8	6	1	-	7	4	N.E.	12	10	9	-	Cl'dy.
Fort Gibson	74.74	96.09	77.93	82.92	106	60	46	1	1	5	-	24	-	-	-	S.E.	26	5	-	-	Fair.
Augusta Arsl.	72.54	86.03	76.32	78.30	92	64	28	1	9	4	-	7	1	7	2	N.W.	12	12	7	-	Cl'dy.
Canton. Jesup	73.22	85.25	79.58	79.35	92	68	24	8	3	5	-	5	2	5	3	N.	13	10	8	-	"
Canton. Clinch	79.96	86.74	82.71	83.14	92	75	17	5	1	-	-	-	21	-	4	S.	3	11	17	-	"
Petite Coquille	80.83	87.00	82.25	83.33	92	77	15	1	9	6	4	1	1	8	1	N.W.	15	10	6	-	"

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. A.M. VII.	P.M. II.	P.M. IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Hancock Barracks	44.40	57.03	46.40	49.29	80	30	50	2	12	3	4	6	-	3	-	N.W.	17	5	8	-	Fair.
Fort Snelling	52.90	64.30	56.10	57.77	76	39	37	2	3	1	2	9	4	-	9	E.	20	5	5	-	"
Fort Howard	50.66	64.00	53.33	56.00	88	38	50	10	5	-	-	-	10	3	2	N.	18	12	-	-	"
Fort Preble	49.80	64.06	51.40	55.09	80	36	44	1	8	-	-	1	12	3	5	S.	22	4	4	-	"
Fort Niagara	57.73	65.26	59.36	60.78	89	42	47	1	3	1	1	-	6	2	16	W.	16	14	-	-	"
F't Constitution	51.33	62.50	53.34	55.72	73	38	35	1	7	-	-	1	9	3	9	S.W.	25	3	2	-	"
Fort Wolcott	53.13	65.83	56.20	58 39	82	40	42	1	6	1	-	1	-	12	2	S.W.	16	9	5	-	"
Fort Armstrong	57.10	70.60	61.13	62.94	88	46	42	15	1	2	-	1	11	-	-	N.	21	5	4	-	"
West Point	55.56	66.23	60.03	60.61	89	40	49	1	7	1	-	9	4	7	1	S.E.	18	10	2	-	"
Fort Columbus	58.93	72.83	60.66	64.14	92	46	46	-	12	-	1	4	1	11	1	N.W.	21	5	4	-	"
Washington city	57.13	71.93	63.80	64.29	86	46	40	-	12	2	1	3	3	9	-	N.W.	13	10	7	-	Cl'dy.
Jefferson Barracks	58.93	74.96	63.50	65.80	88	47	41	3	8	7	-	3	4	1	4	N.W.	20	9	1	-	Fair.
Fortress Monroe	67.90	74.03	71.06	71.00	86	58	28	5	6	3	2	3	-	9	2	S.W.	23	6	1	-	"
Fort Gibson	67.86	85.46	71.92	75.08	100	53	47	4	-	12	1	12	-	1	-	N.E.	17	7	6	-	"
Augusta Arsl.	63.50	81.70	71.43	72.21	92	54	38	-	8	8	-	2	-	12	-	S.W.	16	14	-	-	"
Canton. Jesup	73.80	82.10	75.93	77.28	90	60	30	5	7	7	1	1	3	5	1	N.W.	15	14	1	-	Equal.
Canton. Clinch	77.03	87.16	81.63	81.94	92	66	26	7	1	-	-	6	15	1	-	S.	16	12	2	-	Fair.
Petite Coquille	76.36	87.73	80.43	81.51	94	66	28	4	3	17	3	2	-	1	-	N.E.	26	2	2	-	"

No. X. OCTOBER.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Hancock Bar'ks	33.90	51.00	41.67	42.19	68	24	44	5	8	1	7	8	-	2	-	S.E.	20	3	7	1	Fair.
Fort Snelling	44.22	57.61	49.54	50.46	68	20	48	1	3	-	2	6	4	10	5	S.W.	18	9	4	-	"
Fort Howard	43.80	57.64	47.74	49.73	72	21	51	4	1	5	1	3	12	4	1	S.	16	15	-	-	"
Fort Preble	43.80	55.22	45.61	48.21	66	30	36	2	5	3	2	1	12	5	1	S.	22	6	3	-	"
Fort Niagara	51.61	60.22	54.70	55.51	76	38	38	1	5	8	1	-	8	3	5	N.E.	16	4	11	-	"
Fort Constitut'n	44.29	55.00	46.32	48.54	72	30	42	2	5	5	1	-	13	1	4	S.	20	10	1	-	"
Fort Wolcott	45.67	57.67	48.64	50.66	66	33	33	3	7	6	2	4	2	6	1	N.W.	15	8	6	2	Cl'dy.
Fort Armstrong	49.74	63.38	51.22	54.78	78	32	46	6	-	2	1	3	13	-	6	S.	21	5	5	-	S:
West Point	47.54	60.61	51.32	53.16	70	28	42	3	8	1	5	6	2	2	4	N.W.	18	11	2	-	Fair.
Fort Columbus	49.90	63.29	51.35	54.85	78	39	39	1	5	5	2	13	1	3	1	S.E.	23	3	5	-	"
Washington city	49.35	62.64	55.39	55.79	72	31	41	-	8	5	1	8	6	3	-	S.E.	13	12	6	-	Cl'dy.
Jefferson Bar'ks	50.70	64.03	55.87	56.87	85	41	44	2	10	6	2	6	2	1	2	N.W.	22	8	1	-	Fair.
Fortress Monroe	61.87	67.22	64.67	64.59	75	54	21	1	9	7	1	-	1	6	6	N.W.	15	8	8	-	Cl'dy.
Fort Gibson	55.61	72.83	59.58	62.67	90	37	53	5	6	2	7	11	-	-	-	S.E.	16	6	9	-	Fair.
Augusta Ars'l	55.16	68.48	61.67	61.77	82	47	35	2	5	16	-	4	-	2	2	N.E.	13	12	6	-	Cl'dy.
Cant. Jesup	63.74	74.29	67.74	68.56	86	46	40	10	6	7	1	2	2	3	-	N.	19	9	3	-	Fair.
Cant. Clinch	69.19	78.61	73.45	73.75	88	54	34	5	2	10	1	5	6	2	-	N.E.	15	12	4	-	Cl'dy.
Petite Coquille	69.38	74.70	72.77	72.28	88	54	34	1	3	17	-	3	-	7	-	N.E.	20	6	5	-	Fair.

No. XI. NOVEMBER.

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Hancock Barracks	22.50	33.03	25.30	26.94	60	-2	62	4	11	-	6	6	-	3	-	N.W.	13	1	13	3	Cl'dy.
Fort Snelling	22.30	32.90	26.23	27.14	48	-7	55	-	4	-	2	1	3	4	16	W.	14	11	-	5	"
Fort Howard	22.73	31.13	25.66	26.51	49	-4	53	7	1	6	1	-	12	1	2	S.	11	19	-	-	"
Fort Preble	33.80	41.26	36.53	37.20	58	20	38	1	4	4	-	2	4	4	11	W.	12	6	11	1	"
Fort Niagara	36.42	42.16	38.10	38.89	55	21	34	2	2	2	-	1	5	3	15	W.	10	11	6	3	"
Fort Constitution	36.66	44.23	37.66	39.52	59	20	39	1	6	4	1	-	9	3	6	S.	12	11	7	-	"
Fort Wolcott	40.03	47.33	40.80	42.72	58	26	32	2	9	5	-	2	1	8	3	S.W.	16	9	6	-	Fair.
Fort Armstrong	23.96	37.40	28.03	29.80	56	0	56	16	-	-	2	-	8	-	4	N.	20	6	-	4	"
West Point	38.60	47.03	39.50	41.71	60	24	36	5	5	3	1	6	6	2	2	S.E.	11	12	5	2	Cl'dy.
Fort Columbus	40.36	50.06	41.20	43.87	70	26	44	3	8	8	1	3	-	4	3	N.W.	18	4	7	1	Fair.
Washington city	38.36	48.36	41.36	42.69	60	24	36	2	11	3	-	4	9	1	-	N.W.	14	9	7	-	Cl'dy.
Jefferson Barracks	32.10	41.80	37.43	37.11	58	11	47	3	12	-	-	8	4	1	2	N.W.	18	12	-	-	Fair.
Fortress Monroe	48.66	54.80	51.03	51.50	67	34	33	2	5	5	2	4	3	5	4	S.W.	20	9	1	-	"
Fort Gibson	39.33	65.90	45.20	50.14	86	17	69	5	6	4	3	9	1	-	2	S.E.	21	7	1	1	"
Augusta Arsl.	41.03	59.46	50.86	50.45	74	23	51	-	5	4	-	7	-	8	6	S.W.	23	1	6	-	"
Canton. Jesup	47.70	63.96	55.23	55.63	76	26	50	-	9	4	-	5	3	4	5	N.W.	19	8	3	-	"
Canton. Clinch	53.60	64.26	60.00	59.29	77	33	44	3	10	-	-	9	4	4	-	N.W.	20	6	4	-	"
Petite Coquille	53.23	67.36	61.93	60.84	80	34	46	4	8	2	3	9	2	1	1	S.E.	23	5	2	-	"

No. XII. DECEMBER.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Hancock Bar'ks	21.61	32.35	23.35	25.77	50	-2	52	3	11	6	3	8	-	-	-	N.W.	23	1	3	4	Fair.
Fort Snelling	19.87	31.70	23.67	25.08	46	-7	53	-	2	1	2	2	9	4	11	W.	21	6	2	2	"
Fort Howard	24.74	33.64	29.80	29.39	49	8	41	-	1	3	2	2	22	1	-	S.	12	19	-	-	Cl'dy.
Fort Preble	29.74	36.96	31.48	32.73	56	10	46	3	4	2	-	3	3	3	13	W.	20	3	7	1	Fair.
Fort Niagara	37.77	42.61	38.48	39.62	60	22	38	1	3	2	2	1	8	8	6	S.W.	10	11	7	3	"
F't Constitution	32.67	40.51	36.25	36.48	59	12	47	4	3	2	1	1	6	7	7	S.W.	19	10	2	-	"
Fort Wolcott	37.03	43.54	37.54	39.37	56	22	34	2	7	5	-	2	-	9	6	S.W.	16	9	6	-	"
Fort Armstrong	30.00	40.06	33.74	34.60	63	12	51	8	-	2	5	-	12	1	3	S.	22	5	4	-	"
West Point	35.58	46.29	38.58	40.15	70	20	50	1	10	4	1	9	1	3	2	N.W.	18	10	3	-	"
Fort Columbus	37.70	46.90	39.29	41.30	69	26	43	-	9	1	-	6	1	11	3	S.W.	19	8	4	-	"
Washington city	38.45	50.70	43.70	44.28	64	26	38	1	6	6	-	4	9	4	1	S.	11	13	6	1	Cl'dy.
Jefferson Bar'ks	37.00	47.54	42.70	42.31	67	19	48	1	4	6	-	10	6	4	-	S.E.	20	11	-	-	Fair.
Fortress Monroe	47.32	54.22	50.77	50.77	64	36	28	4	3	4	-	1	1	16	2	S.W.	17	8	6	-	"
Fort Gibson	40.35	64.12	46.41	50.29	91	30	61	-	5	7	-	19	-	-	-	S.E.	18	10	2	1	"
Augusta Arsl.	47.54	61.22	53.77	54.18	79	28	51	1	4	14	1	2	-	8	1	N.E.	14	7	10	-	Cl'dy.
Canton. Jesup	48.87	59.22	51.19	53.09	86	28	58	3	7	6	1	5	5	4	-	N.W.	13	14	4	-	"
Canton. Clinch	57.67	64.48	60.67	60 94	75	37	38	3	3	2	3	11	-	6	3	S.E.	8	17	6	-	Fair.
Petite Coquille	55.87	67.36	60.22	61.15	79	39	40	9	4	7	5	-	1	4	1	N.	14	13	4	-	Cl'dy.

PLACES OF OBSERVATION.	Latitude.	Longitude.	THERMOMETER. Mean Temperature. A.M. VII.	P.M. II.	P.M. IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow Days.	Prevailing
Haucock Bar'ks	46.10	° ′	33.38	47.44	39.63	40.15	92	-24	116	1.92	8.17	4.83	4.17	7.42	0.58	3.08	0.25	N.W.	19.42	2.75	5.42	2.83	Fair.
Fort Snelling	44.53	93.08	41.51	52.43	43.18	45.71	90	-30	120	1.42	3.58	0.58	1.67	2.67	5.58	4.58	10.42	W.	21.50	4.67	3.08	1.25	„
Fort Howard	44.40	87.00	37.38	51.42	41.37	43.39	97	-32	129	4.50	2.50	4.42	1.42	1.83	8.50	5.83	1.42	S.W.	15.75	14.67	-	-	„
Fort Preble	43.38	70.18	40.82	53.09	42.41	45.44	92	-6	98	1.83	4.92	2.25	1.33	2.58	8.83	3.83	4.83	S.	17.75	7.42	4.75	0.50	„
Fort Niagara	43.15	79.05	46.52	54.15	47.60	49.42	94	0	94	2.42	4.67	3.50	1.50	1.42	5.92	3.83	7.17	W.	17.75	7.58	3.67	1.42	„
F't Constitution	43.04	70.49	42.58	51.40	44.00	45.99	90	-6	96	1.42	6.75	3.08	2.08	0.92	7.83	3.42	4.92	S.	18.42	9.67	2.00	0.33	„
Fort Wolcott	41.30	71.18	43.46	54.68	45.79	47.98	82	6	76	1.50	6.58	3.58	1.00	2.67	0.92	9.75	3.83	S.W.	15.50	8.67	5.25	1.08	„
Fort Armstrong	41.28	90.33	45.10	56.93	46.41	49.48	96	-16	112	9.50	0.75	1.58	1.92	1.33	12.00	0.33	3.00	S.	23.00	4 58	2.00	1.00	„
West Point	41.22	73.57	45.33	57.59	49.05	50.66	90	0	90	2.42	9.75	1.25	0.92	5.67	3.17	4.33	2.92	N.W.	17.59	7.58	4.50	1.67	„
Fort Columbus	40.42	74.02	48.27	60.21	49.15	52.54	95	7	88	0.67	11.17	4.92	0.83	4.92	0.42	6.17	1.33	N.W.	21.08	3.58	5.08	0.67	„
Washington city	38.41	76.55	47.97	61.25	53.43	54.22	92	8	86	0.50	10.83	3.08	0.75	5.00	5.67	4.50	0.08	N.W.	14.00	9.58	6.00	0.83	Cl'dy.
Jefferson Bar'ks	38.28	90.08	49.35	62.92	54.36	55.54	97	1	96	3.08	6.83	3.58	1.25	6 08	5.25	3.08	1.25	N.W.	21.83	6.92	1.08	0.58	Fair.
Fortress Monroe	37.02	76.12	55.81	62.97	59.68	59.49	89	21	68	2.92	3.75	6.75	1.50	2.25	1.42	8.67	3.17	S.W.	16.58	8.42	5.00	0.42	„
Fort Gibson	35.30	95.10	52.57	70.41	57.68	60.22	104	0	104	2.67	3.08	4.83	1.58	13.50	1.17	2.58	1.00	S.E.	18.92	6.67	4.50	0.18	„
Augusta Arsl.	33.28	81.53	54.54	69.72	61.38	61.88	93	15	78	1.00	5.75	6.75	0.83	4.67	0.42	8.00	3.42	S.W.	15.58	6.58	8.33	0.00	„
Canton. Jesup	31.30	93.47	59.22	72.19	64.14	65.55	94	18	76	4.00	6.50	4.08	1.33	4.33	3.17	5.50	1.50	N.W.	16.17	10.08	4.17	-	„
Canton. Clinch	30.24	87.14	64.69	72.94	69.34	68.99	94	26	68	5.67	2.25	2.08	1.67	2.83	11.92	1.25	2.75	S.	11.75	11.83	6.75	-	Cl'dy.
Petite Coquille	30.10	89.38	65.65	74.45	67.75	69.28	94	23	71	2.75	6.33	7.67	2.83	3.08	1.00	5.50	1.33	N.E.	15.33	10.50	4.67	-	Fair.

No. I. JANUARY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	7.09	19.00	13.48	13.19	43	-26	69	2	6	2	5	3	2	8	3	S.W.	6	16	-	9	Cl'dy.
Hancock Barracks	3.09	11.67	6.09	6.95	34	-23	57	5	14	8	1	3	-	-	-	N.W.	10	4	-	12	„
Fort Snelling	9.87	19.48	13.19	14.18	33	-18	51	2	2	-	1	2	2	8	14	W.	25	2	-	4	Fair.
Fort Howard	8.38	21.80	11.93	14.04	44	-26	70	5	6	-	-	-	17	2	1	S.	15	7	-	9	Cl'dy.
Port Preble	16.51	23.93	19.35	19.93	44	-16	60	6	4	2	2	-	-	3	14	W.	14	10	1	6	„
Fort Niagara	22.25	30.09	25.48	25.94	53	0	53	-	3	-	-	4	3	9	12	W.	6	14	6	5	„
Fort Constitution	20.29	26.80	21.67	22.92	44	-10	54	5	9	1	-	-	3	5	8	N.W.	15	10	3	3	„
Fort Wolcott	25.97	33.74	28.71	29.47	50	0	50	1	16	3	1	-	-	8	2	N.W.	15	10	4	2	„
Fort Armstrong	16.77	30.51	23.06	23.45	48	-24	72	13	1	2	3	2	6	-	4	N.	25	5	-	1	Fair.
West Point	23.83	33.51	26.80	28.05	49	0	49	15	3	1	7	2	-	-	3	N.	24	4	2	1	„
Fort Columbus	27.51	36.80	30.90	31.74	49	5	44	-	14	7	-	2	-	7	1	N.W.	20	9	2	-	„
Washington city	29.03	39.74	32.74	33.84	54	10	44	-	13	3	-	6	6	3	-	N.W.	14	13	3	1	Cl'dy.
Jefferson Barracks	27.42	38.16	32.80	32.79	56	8	48	6	6	3	-	5	7	4	-	S.	15	14	1	1	„
Fortress Monroe	39.16	46.29	43.06	42.84	58	22	36	10	8	7	-	-	-	4	2	N.	16	10	4	1	Fair.
Fort Gibson	35.29	64.54	43.09	47.64	83	14	69	4	-	12	3	12	-	-	-	N.E.	20	7	3	1	„
Augusta Arsl.	40.64	56.58	48.61	48.61	60	25	35	-	9	5	-	2	-	12	3	S.W.	27	2	2	-	„
Canton. Jesup	43.22	59.06	49.03	50.44	72	26	46	2	10	4	-	-	4	8	3	N.W.	19	10	2	-	„
Petite Coquille	51.90	63.19	57.45	57.51	75	38	37	9	4	4	2	1	2	-	9	N.	27	2	2	-	„
St. Augustine	52.11	64.40	56.21	57.57	72	34	38	10	5	-	1	1	6	4	4	N.	17	12	2	-	„
Canton. Brooke	56.48	67.77	59.00	61.08	74	40	34	12	7	-	-	1	5	3	3	N.	16	15	-	-	„

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. A.M. VII.	P.M. II.	P.M. IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	13.92	25.03	17.07	18.67	41	-15	56	1	5	1	4	5	2	5	5	N.W.	4	17	-	7	Cl'dy.
Hancock Barracks	8.21	19.75	12.67	13.54	44	-15	59	2	10	5	6	2	-	3	-	N.W.	20	2	-	6	Fair.
Fort Snelling	15.00	32.85	22.96	23.60	51	-19	70	-	2	1	1	1	2	6	15	W.	21	4	-	3	"
Fort Howard	17.28	33.85	22.28	24.47	48	-2	50	5	1	1	3	-	14	2	2	S.	12	12	1	3	Cl'dy.
Fort Preble	14.71	27.42	20.28	20.80	50	-12	62	4	1	4	-	-	7	-	12	W.	14	10	-	4	Equal.
Fort Niagara	25.21	32.75	28.32	28.76	52	6	46	-	7	2	3	1	5	5	5	N.W.	14	12	2	-	"
Fort Constitution	18.50	28.46	22.87	23.28	54	-5	59	4	12	-	-	-	1	4	7	N.W.	17	9	-	2	Fair.
Fort Wolcott	22.78	33.82	25.96	27.52	48	0	48	-	16	3	-	-	-	6	3	N.W.	13	10	2	3	Cl'dy.
Fort Armstrong	22.85	38.39	29.64	30.29	60	-10	70	4	3	1	1	-	15	1	3	S.	26	2	-	-	Fair.
West Point	19.96	35.53	25.53	27.01	65	-6	71	10	8	1	-	3	1	3	2	N.	20	7	-	1	"
Fort Columbus	26.50	39.64	29.64	31.93	55	8	47	-	16	2	-	1	-	9	-	N.W.	19	8	-	1	"
Washington city	27.46	40.21	33.42	33.70	62	4	58	2	10	4	-	2	8	2	-	N.W.	13	12	2	1	Cl'dy.
Jefferson Barracks	30.85	44.29	37.50	37.55	71	8	63	6	5	-	1	4	8	3	1	S.	18	10	-	-	Fair.
Fortress Monroe	37.00	44.57	40.28	40.62	59	24	35	3	4	5	3	2	2	6	3	S.W.	16	10	1	1	"
Fort Gibson	36.50	59.17	46.78	47.48	78	18	60	4	1	3	-	19	1	-	-	S.E.	16	8	3	1	"
Augusta Ars'l	43.00	57.46	50.71	50.39	72	24	48	2	7	9	-	-	1	9	-	N.E.	13	7	6	2	Cl'dy.
Cant. Jesup	45.82	57.00	48.92	50.58	76	26	50	5	6	5	-	4	3	2	3	N.W.	14	10	3	1	Equal.
Petite Coquille	54.00	65.03	59.64	59.56	78	36	42	7	3	6	4	3	1	1	3	N.	15	11	2	-	Fair.
St, Augustine	58.25	68.80	60.46	62.50	78	51	27	2	-	9	1	8	2	6	-	N.E.	17	6	5	-	"
Canton. Brooke	58.46	71.85	60.35	63.55	82	48	34	1	7	14	-	2	1	3	-	N.E.	24	-	4	-	"

No. III. MARCH.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	22.80	35.67	25.29	27.92	51	-5	56	3	8	1	5	7	2	2	3	N.W.	9	17	1	4	Cl'dy.
Hancock Barracks	20.51	35.09	26.77	27.46	56	0	56	-	13	10	-	5	1	2	-	N.W.	17	2	5	7	Fair.
Fort Snelling	27.87	41.67	32.45	34.00	54	2	52	2	1	1	1	1	5	7	13	W.	17	10	-	4	"
Fort Howard	26.32	43.12	30.19	33.21	70	10	60	10	-	4	3	-	12	1	1	S.	10	10	3	8	Cl'dy.
Fort Preble	29.16	40.00	32.96	34.04	60	14	46	-	3	5	1	6	2	5	9	W.	14	9	5	3	"
Fort Niagara	32.06	40.74	35.38	36.06	65	12	53	2	7	5	1	3	2	2	9	W.	16	9	-	6	Fair.
Fort Constitution	31.16	41.12	34.06	35.45	64	16	48	1	5	7	2	-	9	2	5	S.	17	10	2	2	"
Fort Wolcott	32.71	44.09	35.90	37.90	59	22	37	3	10	1	1	5	1	7	3	N.W.	13	15	2	1	Cl'dy.
Fort Armstrong	36.19	49.00	38.35	41.18	68	20	48	4	-	2	2	-	21	-	2	S.	21	4	5	1	Fair.
West Point	33.96	47.45	38.80	40.07	66	18	48	4	6	6	1	9	2	1	2	S.E.	18	8	3	2	"
Fort Columbus	35.38	49.42	38.35	41.05	70	21	49	-	12	7	1	4	-	5	2	N.W.	19	8	3	1	"
Washington city	39.87	53.12	46.09	46.36	72	22	50	1	13	2	-	3	8	4	-	N.W.	10	13	8	-	Cl'dy.
Jefferson Barracks	42.96	53.86	47.19	48.00	74	27	47	4	7	1	-	7	6	3	3	S.E.	15	15	1	-	"
Fortress Monroe	46.51	55.54	50.80	50.95	72	27	45	1	3	7	1	3	-	12	4	S.W.	12	16	3	-	"
Fort Gibson	50.38	68.09	53.90	57.46	87	32	55	3	1	8	2	17	-	-	-	S.E.	17	7	7	-	Fair.
Augusta Arsl.	48.45	67.87	58.58	58.30	84	30	54	-	3	7	-	6	1	14	-	S.W.	25	2	4	-	"
Canton. Jesup	57.48	68.16	60.38	62.01	78	34	44	2	5	8	1	6	3	3	3	N.E.	17	10	4	-	"
Petite Coquille	63.32	72.90	68.29	68.17	85	45	40	5	4	2	6	2	5	5	2	E.	20	7	4	-	"
St. Augustine	61.12	71.48	62.12	65.24	79	50	29	1	6	7	-	11	1	5	-	S.E.	22	5	4	-	"
Canton. Brooke	62.96	76.51	63.12	67.53	86	46	40	1	8	8	-	5	1	7	1	N.	29	-	2	-	"

No. IV. APRIL.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	42.36	54.73	41.46	46.18	75	25	50	1	3	1	4	13	4	4	-	S.E.	9	15	5	1	Cl'dy.
Hancock Barracks	34.63	58.60	45.90	46.38	80	25	55	-	9	9	3	8	1	-	-	N.E.	25	3	2	-	Fair.
Fort Snelling	46.02	59.00	49.30	51.77	66	33	33	-	3	1	2	6	10	4	4	S.	12	7	11	-	Cl'dy.
Fort Howard	44.86	60.93	48.86	51.55	87	30	47	12	-	4	-	1	13	-	-	S.	12	18	-	-	"
Fort Preble	43.33	56.53	44.03	47.96	79	32	47	2	-	4	4	2	5	7	6	S.W.	15	9	6	-	Equal.
Fort Niagara	45.00	57.03	46.73	49.59	80	35	45	1	4	8	2	3	5	2	5	N.E.	24	4	2	-	Fair.
Fort Constitution	43.56	52.36	44.60	46.84	75	33	42	2	2	12	2	1	9	-	2	N.E.	18	11	1	-	"
Fort Wolcott	41.06	54.86	43.66	46.53	74	34	40	1	5	14	1	2	1	5	1	N.E.	13	11	6	-	Cl'dy.
Fort Armstrong	50.33	63.03	54.33	55.90	77	33	44	9	-	2	1	5	7	2	4	N.	15	11	4	-	Equal.
West Point	46.73	63.73	52.10	54.19	80	32	48	8	5	6	1	5	1	3	1	N.	18	7	5	-	Fair.
Fort Columbus	48.76	59.36	50.53	52.88	81	40	41	1	5	10	1	1	-	11	1	S.W.	18	8	4	-	"
Washington city	47.83	65.10	56.03	56.32	83	38	45	2	6	3	4	4	8	3	-	S.	20	7	3	-	"
Jefferson Barracks	56.46	67.90	60.23	61.53	82	38	44	-	7	-	-	9	13	1	-	S.	18	12	-	-	"
Fortress Monroe	52.93	61.83	57.36	57.37	82	43	39	6	3	6	-	3	3	9	-	S.W.	17	11	2	-	"
Fort Gibson	58.13	73.86	63.80	65.26	86	37	49	-	1	4	1	24	-	-	-	S.E.	16	8	6	-	"
Augusta Arsl.	54.53	82.12	70.93	69.19	85	41	44	-	2	6	-	12	1	9	-	S.E.	23	2	5	-	"
Canton. Jesup	58.00	72.03	63.23	64.42	82	34	48	4	1	5	2	4	1	8	5	S.W.	17	10	3	-	"
Petite Coquille	66.26	76.80	71.73	71.60	84	50	34	2	4	5	4	14	-	-	1	S.E.	24	6	-	-	"
St. Augustine	67.13	73.23	68.23	69.53	77	57	20	-	-	10	1	15	2	1	1	S.E.	20	5	5	-	"
Canton. Brooke	66.80	78.36	68.66	71.27	84	56	28	2	3	5	3	7	7	3	-	S.E.	24	2	4	-	"

No. V. MAY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.E	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	46.70	56.29	42.44	48.48	72	32	40	1	12	1	2	9	-	3	3	N.W.	7	16	7	1	Cl'dy.
Hancock Barracks	42.35	63.51	51.51	52.46	75	30	45	1	8	7	5	7	-	3	-	N.E.	22	2	7	-	Fair.
Fort Snelling	57.80	65.29	56.00	59.70	80	32	42	4	2	1	-	-	4	10	10	S.	20	5	5	1	„
Fort Howard	47.45	66.09	50.06	54.53	96	36	60	12	-	1	-	-	16	2	-	S.	19	12	-	-	„
Fort Preble	51.12	62.54	48.45	54.04	71	38	33	1	-	-	4	2	9	6	9	W.	14	6	11	-	Cl'dy.
Fort Niagara	58.12	63.22	58.93	60.09	76	44	32	1	3	13	-	1	4	3	6	N.E.	20	7	4	-	Fair.
Fort Constitution	51.49	58.00	49.96	53.15	72	42	30	-	4	4	2	-	15	5	1	S.	20	10	1	-	„
Fort Wolcott.	49.29	63.64	52.22	55.05	72	40	32	1	7	3	1	6	1	10	2	S.W.	16	8	7	-	„
Fort Armstrong	58.25	69.80	59.09	62.38	82	39	43	3	-	4	5	4	8	4	3	S.	17	12	2	-	„
West Point	54.45	65.16	58.25	59.62	78	44	34	1	6	5	-	11	6	-	2	S.E.	23	6	2	-	„
Fort Columbus	56.96	67.32	56.74	60.34	84	47	37	-	3	5	1	5	3	12	2	S.W.	22	7	2	-	„
Washington city	59.41	72.06	64.00	65.16	80	52	28	-	9	2	1	4	10	5	-	S.	17	9	5	-	„
Jefferson Barracks	61.19	71.64	66.25	66.36	86	43	43	1	5	-	1	1	17	2	4	S.	22	6	3	-	„
Fortress Monroe	63.48	71.22	67.06	67.25	81	52	29	-	3	10	3	6	1	6	2	N.E.	16	7	8	-	„
Fort Gibson	42.12	79.45	68.29	69.95	90	40	50	-	1	-	2	28	-	-	-	S.E.	18	4	9	-	„
Augusta Arsl.	64.19	82.12	70.93	72.41	90	51	39	2	2	4	1	5	1	16	-	S.W.	8	15	8	-	Cl'dy.
Canton. Jesup	65.38	77.90	69.19	70.82	93	46	47	-	8	5	-	3	10	3	2	S.	17	11	3	-	Fair.
Petite Coquille	73.51	82.03	77.35	77.63	88	62	26	4	2	4	4	1	6	6	4	S.W.	29	2	-	-	„
St. Augustine	73.06	78.74	74.03	75.28	90	68	22	1	-	5	1	16	-	7	1	S.E.	15	6	10	-	Cl'dy.
Canton. Brooke	73.12	84.06	75.03	77.40	88	68	20	1	-	5	1	4	7	9	4	S.W.	25	1	5	-	Fair.

No. VI. JUNE.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	56.16	65.56	56.33	59.35	81	45	36	7	9	-	3	6	2	2	1	N.W.	12	13	5	-	Cl'dy.
Hancock Barracks	54.26	69.83	58.20	60.80	88	42	46	-	4	8	3	12	1	2	-	S.E.	11	5	14	-	„
Fort Snelling	70.56	75.23	65.13	70.31	82	48	34	4	1	1	1	1	4	5	13	W.	23	-	7	-	Fair.
Fort Howard	58.20	73.73	60.06	64.00	92	46	46	8	1	4	-	1	12	1	3	S.	18	12	-	-	„
Fort Preble	59.03	70.66	57.66	62.42	79	51	28	-	1	1	5	1	6	7	9	W.	23	-	7	-	„
Fort Niagara	63.53	72.10	69.93	68.52	84	62	22	7	-	4	1	1	4	6	7	N.W.	17	9	4	-	„
Fort Constitution	61.06	68.00	59.23	62.76	82	50	32	-	2	5	2	1	9	7	4	S.	19	7	4	-	„
Fort Wolcott	58.66	71.63	61.23	63.84	82	52	30	-	5	2	1	2	-	17	3	S.W.	16	5	9	-	„
Fort Armstrong	68.73	77.73	70.33	72.26	88	54	34	1	5	-	3	4	8	5	4	S.	20	10	-	-	„
West Point	64.26	75.66	67.46	69.13	84	58	26	3	7	-	1	9	-	6	4	S.E.	22	2	6	-	„
Fort Columbus	65.63	79.10	66.63	70.45	94	58	36	-	5	5	-	3	3	13	1	S.W.	23	4	3	-	„
Washington city	67.93	80.56	72.13	73.54	90	60	30	1	9	-	-	3	10	5	2	S.	18	5	7	-	„
Jefferson Barracks	71.83	82.60	72.60	75.68	93	54	39	1	5	-	-	-	20	1	3	S.	20	10	-	-	„
Fortress Monroe	71.13	80.96	75.83	75.97	96	61	35	-	-	2	6	1	3	9	9	S.W.	16	12	2	-	„
Fort Gibson	73.83	90.53	77.50	80.62	103	62	41	-	-	2	2	24	1	-	1	S.E.	25	2	3	-	„
Augusta Arsl.	74.16	88.06	82.13	81.45	95	56	39	-	4	5	-	5	1	11	4	S.W.	21	5	4	-	„
Canton. Jesup	72.63	87.50	77.76	79.30	97	54	43	-	4	6	1	2	-	11	6	S.W.	25	1	4	-	„
Petite Coquille	77.96	86.73	81.46	82.05	92	68	24	-	3	6	3	2	1	7	8	W.	25	3	2	-	„
St. Augustine	77.03	85.36	79.60	80.70	93	71	22	-	-	10	-	9	-	5	6	N.E.	15	5	10	-	Equal.
Canton. Brooke	78.50	86.70	79.33	81.51	90	60	30	-	1	-	9	8	-	11	1	N.W.	21	3	6	-	Fair.

No. VII. JULY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	68.74	78.09	66.16	71.00	93	50	43	8	6	-	1	3	1	9	3	S.W.	16	12	3	-	Fair.
Hancock Barracks	60.77	77.48	66.12	68.12	95	47	48	0	4	6	1	7	7	6	-	S.E.	17	3	11	-	"
Fort Snelling	80.00	88.06	76.93	81.66	94	70	24	-	2	-	-	10	2	16	1	S.W.	26	2	3	-	"
Fort Howard	71.22	83.16	72.77	75.72	100	50	50	3	-	2	3	1	18	1	3	S.	21	6	4	-	"
Fort Preble	65.90	78.80	64.90	69.87	94	56	38	-	-	1	7	2	6	10	5	S.W.	16	8	7	-	"
Fort Niagara	75.74	83.12	76.45	78.44	98	62	36	6	-	2	4	-	6	6	7	W.	27	-	4	-	"
Fort Constitution	67.58	73.32	66.45	69.12	91	56	35	4	3	7	2	1	5	6	3	N.E.	19	9	3	-	"
Fort Wolcott	65.64	77.64	67.77	70.35	89	59	30	1	9	8	-	1	-	11	1	S.W.	16	7	8	-	"
Fort Armstrong	79.16	88.87	76.06	81.36	98	66	32	4	4	-	3	4	7	7	2	S.	31	-	-	-	"
West Point	72.84	78.29	75.93	75.69	92	60	32	4	4	1	3	9	3	2	5	S.E.	23	5	3	-	"
Fort Columbus	74.80	87.00	74.45	78.75	98	64	34	-	2	7	1	5	2	10	4	S W	25	4	2	-	"
Washington city	74.09	89.38	79.96	81.14	96	64	32	2	7	1	-	2	8	11	-	S.W.	23	5	3	-	"
Jefferson Barracks	75.54	86.93	76.87	79.78	98	66	32	5	3	-	2	5	14	1	1	S.	18	3	10	-	"
Fortress Monroe	77.29	86.16	80.94	81.46	94	72	22	-	1	8	-	7	-	13	2	S.W.	19	12	-	-	"
Fort Gibson	76.12	91.71	78.03	81.95	103	71	32	1	9	8	-	1	-	11	1	S.W.	16	7	8	-	"
Augusta Arsl.	77.83	90.16	85.22	84.40	102	74	28	-	1	-	-	13	2	11	4	S.E.	21	-	10	-	"
Canton. Jesup	77.32	90.00	80.48	82.93	96	72	24	3	5	7	2	-	2	5	7	N.W.	15	11	5	-	Cl'dy.
Petite Coquille	81.67	90.06	83.58	85.10	94	77	17	4	3	5	4	4	1	6	4	S.W.	26	4	1	-	Fair.
St. Augustine	79.61	86.25	81.35	82.40	94	78	16	-	-	3	-	19	-	2	7	S.E.	18	1	12	-	"
Canton. Brooke	80.45	87.09	79.67	82.40	92	76	16	-	2	4	3	12	2	5	3	S.E.	8	23	-	-	Cl'dy.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	'Days.	
	VII.	II.	IX.																		
Fort Brady	60.12	67.61	59.25	62.33	80	51	29	10	4	2	3	6	-	4	2	N.	17	11	3	-	Fair.
Hancock Barracks	56.87	75.22	61.11	64.40	78	45	33	-	4	7	1	10	5	4	-	S.E.	22	1	8	-	"
Fort Snelling	69.90	79.61	70.12	73.21	90	61	29	-	13	1	-	4	-	13	-	S.W.	19	10	2	-	"
Fort Howard	62.90	77.29	66.12	68.77	88	50	38	6	1	-	4	9	6	-	5	S.E.	14	11	6	-	Cl'dy.
Port Preble	62.58	74.80	63.25	66.88	83	56	27	-	2	1	1	5	6	6	10	W.	14	11	6	-	"
Fort Niagara	70.64	79.16	73.93	74.58	89	63	26	4	2	5	5	1	5	4	5	E.	16	5	10	-	Fair.
Fort Constitution	64.77	70.83	63.48	66.36	78	56	22	1	8	2	1	2	11	5	1	S.	20	11	-	-	"
Fort Wolcott	63.38	75.64	65.70	68.24	81	58	23	1	6	4	1	5	1	12	1	S.W.	15	10	6	-	"
Fort Armstrong	71.77	85.74	72.22	76.58	92	59	33	6	1	4	2	2	4	8	4	S.W.	23	8	-	-	"
West Point	71.87	79.83	74.35	75.35	86	61	25	-	8	2	-	8	3	7	3	N.W.	21	9	1	-	"
Fort Columbus	73.09	85.54	72.48	77.04	94	65	29	-	2	10	-	1	3	13	2	S.W.	28	3	-	-	"
Washington city	70 06	86.77	77.03	77.95	98	60	38	4	10	2	1	3	-	10	1	S.W.	18	6	7	-	"
Jefferson Barracks	76.29	84.06	75.87	78.74	95	67	28	-	2	-	6	6	16	1	-	S.	25	-	6	-	"
Fortress Monroe	76.09	81.41	78.16	78.55	88	72	16	2	-	2	-	8	1	9	9	S.W.	19	7	5	-	"
Fort Gibson	75 93	99.09	79.61	84.88	107	64	43	2	-	4	2	20	3	-	-	S.E.	28	1	2	-	"
Augusta Arsl.	75.77	90.64	83.00	83.14	98	68	30	-	-	4	-	11	1	14	1	S.W.	21	6	4	-	"
Canton. Jesup	76.22	91.64	81.38	83.08	99	70	29	6	3	1	2	3	8	5	3	S.	23	4	4	-	"
Petite Coquille	80.51	90.38	83.61	84.83	98	74	24	3	6	8	5	1	2	2	4	N.E.	28	1	2	-	"
St. Augustine	79.45	85.16	81.70	82.10	93	79	14	2	-	9	-	17	-	1	2	S.E.	23	2	6	-	"
Canton. Brooke	77.87	87.54	79.60	81.67	92	74	18	-	5	7	4	4	-	6	5	N.E.	14	17	-	-	Cl'dy.

No. IX. SEPTEMBER.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	52.86	61.30	51.50	55.22	70	40	30	4	5	2	5	6	1	1	6	S.E.	12	10	8	-	Cl'dy.
Hancock Bar'ks	46.10	63.26	52.56	53.97	75	35	35	-	13	6	1	7	-	3	-	N.W.	23	1	6	-	Fair.
Fort Snelling	53.88	66.10	56.13	58.70	79	37	42	-	8	6	-	9	1	6	-	S.E.	15	9	6	-	Equal.
Fort Howard	51.00	65 43	54.73	57.05	82	32	50	4	6	1	1	4	10	-	4	S.	13	11	6	-	Cl'dy.
Fort Preble	53.10	65.73	54.80	57.88	76	40	36	-	2	1	3	3	8	6	7	S.	14	10	6	-	"
Fort Niagara	63.96	69.53	67.30	66.93	78	54	24	2	4	3	8	1	3	5	4	E.	17	1	12	-	Fair.
Fort Constitution	54.66	64.20	55.00	57.95	74	40	34	3	8	5	4	-	8	2	-	S.	18	10	2	-	"
Fort Wolcott	55.90	67.70	58.63	60.74	75	40	35	1	3	12	-	3	-	10	1	N.E.	16	9	5	-	"
Fort Armstrong	57.06	69.60	61.96	62.87	89	44	45	7	4	5	5	1	3	1	4	N.	15	14	1	-	"
West Point	64.03	70.46	65.70	66.73	81	53	28	6	8	1	3	11	-	-	1	S.E.	19	11	-	-	"
Fort Columbus	62.10	75.16	64.06	67.11	89	50	39	-	10	6	-	1	2	11	-	S.W.	26	4	-	-	"
Washington city	61.76	77.90	68.16	69.27	91	40	51	1	7	8	1	2	5	6	-	N.E.	17	8	5	-	"
Jefferson Barracks	63.50	75.03	64.36	67.63	96	51	45	5	1	4	4	4	4	8	-	S.W.	24	-	6	-	"
Fortress Monroe	71.80	75.33	72.56	73.23	88	62	26	8	1	6	1	3	2	7	2	N.	15	14	1	-	Equal.
Fort Gibson	70.40	92.66	74.06	79.04	103	60	43	3	-	13	2	10	2	-	-	N.E.	24	5	1	-	Fair.
Augusta Arsl.	66.30	82.13	73.13	73.85	94	43	51	-	6	3	-	12	4	4	1	S.E.	10	12	8	-	Cl'dy.
Canton. Jesup	70.86	85.20	75.76	77.27	96	55	41	6	4	10	-	-	5	5	-	N.E.	20	7	3	-	Fair.
Petite Coquille	76.13	87.93	80.63	81.56	94	60	34	3	2	17	2	1	-	5	-	N.E.	26	3	1	-	"
St. Augustine	76.46	90.76	77.60	78.27	87	69	18	-	-	13	-	16	-	1	-	S.E.	14	6	10	-	Cl'dy.
Canton. Brooke	75.40	85.06	77.30	79.25	90	66	24	-	1	18	3	4	-	2	2	N.E.	7	23	-	-	"

No. X.

OCTOBER.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S:	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	47.67	54.61	46.22	49.50	74	35	39	2	4	3	8	9	-	1	4	S.E.	15	11	5	-	Cl'dy.
Hancock Barracks	40.25	57.22	45.00	47.49	76	25	51	3	11	3	1	6	2	4	1	N.W.	18	1	12	-	Fair.
Fort Snelling	49.06	62.19	52.96	54.74	82	36	46	2	7	1	-	1	4	10	6	S.W.	18	10	3	-	"
Fort Howard	46.36	62.12	53.74	54.07	78	30	48	1	4	2	2	8	12	-	2	S.	22	3	6	-	"
Fort Preble	44.61	57.19	49.09	50.30	70	32	38	1	3	4	1	3	8	2	9	W.	18	8	5	-	"
Fort Niagara	59.58	65.22	62.35	62.38	76	50	26	2	2	3	7	4	3	5	5	E.	18	3	10	-	"
Fort Constitution	46.38	57.64	50.12	51.38	69	34	35	-	4	4	4	1	9	5	4	S.	24	6	1	-	"
Fort Wolcott	49.46	60.25	53.54	54.42	68	35	33	2	2	6	2	2	1	12	4	S.W.	19	9	3	-	"
Fort Armstrong	53.38	60.03	57.58	57.00	88	45	43	2	-	3	6	2	7	2	9	W.	18	13	-	-	"
West Point	44.25	61.58	40.64	48.82	75	38	37	5	3	-	-	1	17	-	5	S.	19	6	6	-	"
Fort Columbus	54.09	65.48	56.45	58.67	76	48	28	-	13	7	1	5	-	5	-	N.W.	24	4	3	-	"
Washington city	51.12	66.87	58.00	58.66	76	38	38	-	7	9	2	1	6	3	3	N.E.	15	7	9	-	Cl'dy.
Jefferson Barracks	56.48	67.90	57.83	60.74	83	44	39	4	2	-	4	4	3	7	7	S.W.	23	3	5	-	Fair.
Fortress Monroe	63.90	66.74	64.70	65.11	72	60	12	4	2	10	3	-	-	10	2	N.E.	18	8	5	-	"
Fort Gibson	56.87	84.41	66.16	69.15	95	28	67	2	1	7	6	13	2	-	-	S.E.	22	8	1	-	"
Augusta Arsl.	53.41	68.66	61.30	61.12	80	45	35	-	14	5	-	5	-	5	2	N.W.	15	10	6	-	Cl'dy.
Canton. Jesup	64.64	78.32	67.35	70.10	86	38	48	5	7	6	1	4	5	2	1	N.W.	22	8	1	-	Fair.
Petite Coquille	66.35	79.70	72.93	72.99	84	51	33	5	2	15	3	3	-	2	1	N.E.	23	8	-	-	"
St. Augustine	69.35	75.35	71.00	71.90	82	66	16	-	-	27	2	1	-	1	-	N.E.	17	5	9	-	"
Cant. Brooke	68.54	81.03	73.29	74.29	88	60	28	-	8	13	1	-	2	3	4	N.E.	21	5	5	-	"

No. XI. NOVEMBER.

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
	VII.	II.	IX.																		
Fort Brady	40.90	48.86	42.48	44.08	60	31	29	1	2	2	13	7	1	4	-	E.	3	13	14	-	Cl'dy.
Hancock Barracks	34.70	45.46	35.80	38.65	60	10	50	2	10	5	1	6	3	3	-	N.W.	17	2	7	4	Fair.
Fort Snelling	38.13	48.63	41.60	42.79	65	27	38	2	3	2	1	3	1	8	10	W.	6	18	5	1	Cl'dy.
Fort Howard	39.20	47.86	42.06	43.04	62	28	34	4	7	4	2	1	9	2	1	S.	16	2	11	1	Fair.
Fort Preble	42.66	47.63	43.26	44.52	59	30	29	6	5	6	4	-	1	4	4	N.E.	7	17	6	-	Cl'dy.
Fort Niagara	54.96	59.36	57.76	57.36	67	47	20	1	2	3	6	5	3	2	8	W.	8	8	14	-	"
Fort Constitution	44.36	49.33	44.43	46.04	59	33	26	2	3	17	1	1	2	1	3	N.E.	9	15	5	1	"
Fort Wolcott	36.70	53.33	48.03	46.02	65	33	32	3	6	14	-	1	2	3	1	N.E.	6	17	7	-	"
Fort Armstrong	46.70	54.60	48.66	49.99	74	34	40	1	4	2	8	2	5	2	6	E.	12	17	1	-	"
West Point	48.40	51.50	49.83	49.91	63	35	28	11	9	1	1	1	4	-	3	N.	9	13	8	-	"
Fort Columbus	48.50	54.73	50.00	51.08	67	38	29	2	4	14	2	2	1	3	2	N.E.	11	8	11	-	"
Washington city	48.70	57.36	51.36	52.47	71	36	35	4	9	10	1	-	1	2	3	N.E.	13	9	8	-	"
Jefferson Barracks	47.90	57.70	48.70	51.43	75	31	44	5	1	2	3	1	8	5	5	S.	13	8	9	-	"
Fortress Monroe	57.56	61.13	58.46	59.05	66	44	22	3	7	11	2	-	-	4	3	N.E.	10	10	10	-	"
Fort Gibson	47.80	67.80	54.93	56.84	85	34	51	1	8	2	6	9	-	3	1	S.E.	11	15	4	-	"
Augusta Arsl.	52.16	68.66	61.30	60.71	76	42	34	-	11	9	-	3	-	4	3	N.W.	19	10	1	-	Fair.
Canton. Jesup	54.33	65.83	57.70	59.29	80	30	50	4	5	4	-	3	3	10	1	S.W.	17	3	10	-	"
Petite Coquille	63.20	73.03	67.73	67.99	83	48	35	2	2	8	7	6	3	1	1	N.E.	22	7	1	-	"
St. Augustine	66.00	70.90	68.20	68.37	78	63	15	3	5	11	2	6	-	3	-	N.E.	20	8	2	-	"
Canton. Brooke	63.80	78.46	68.83	70.36	86	54	32	3	9	12	-	1	1	4	-	N.E.	23	7	-	-	"

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'y.	Rain.	Snow.	Prevailing.
	A.M.	P.M.	P.M.																		
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	22.45	26.48	25.06	24.66	58	-5	63	-	9	2	12	5	-	3	-	E.	4	7	3	17	Cl'dy.
Hancock Bar'ks	23.80	32.58	25.19	27.19	55	-6	61	1	12	8	-	7	-	3	-	N.W.	14	4	8	5	"
Fort Snelling	11.12	21.67	14.12	15.64	53	-26	79	7	8	1	4	2	1	4	4	N.W.	13	3	-	15	"
Fort Howard	17.54	24.45	20.45	20.81	48	-22	70	4	6	1	1	1	12	4	2	S.	9	13	-	9	"
Fort Preble	29.77	36.00	31.45	32.41	53	0	53	-	5	1	1	4	1	6	13	W.	16	6	6	3	Fair.
Fort Niagara	36.83	41.29	38.93	39.02	63	11	52	1	3	2	3	4	2	6	9	W.	5	8	8	10	Cl'dy.
Fort Constitu'on	31.67	38.19	30.35	33 40	52	6	46	-	8	5	2	-	3	4	9	W.	14	11	5	1	"
Fort Wolcott	34.58	41.70	36.51	37.59	56	10	46	-	7	5	2	-	2	7	8	W.	6	18	4	3	"
Fort Armstrong	23.00	30.42	25.77	26.39	68	-16	84	3	1	2	4	4	1	9	7	S.W.	17	11	2	1	Fair.
West Point	35.16	39.16	36.67	37.33	55	15	40	3	11	1	1	-	12	2	1	S.	17	8	5	1	"
Fort Columbus	34.11	40.19	36.58	36.96	48	10	38	1	8	-	5	1	-	10	6	S.W.	18	9	3	1	"
Washington city	32.54	43.25	36.19	37.33	60	4	56	-	13	6	1	-	4	5	2	N.W.	9	7	13	2	Cl'dy.
Jefferson Bar'ks	28.58	35.16	62.41	42.05	65	-15	80	-	14	7	2	1	-	3	4	N.W.	16	4	11	-	Fair.
Fortress Monroe	44.00	50.54	46.45	47.00	65	21	44	1	2	9	1	-	1	14	3	S.W.	19	6	6	-	"
Fort Gibson	36.90	48.22	36.25	40.46	80	3	77	1	8	3	8	3	1	3	4	N.W.	17	8	3	3	"
Augusta Arsl.	42.51	55.41	49.19	49.04	75	12	63	1	10	1	-	10	1	7	1	S.E.	16	6	9	-	"
Canton. Jesup	42.38	54.32	47.67	48.12	72	14	58	4	9	3	-	2	5	3	5	N.W.	17	8	6	-	"
Petite Coquille	54.70	60.74	57.12	57.52	78	27	51	3	5	5	5	8	1	1	3	S.E.	19	7	5	-	"
St. Augustine	57.48	64.12	60.29	60.63	78	30	48	-	12	5	-	9	2	3	-	N.W.	16	2	13	-	"
Cant. Brooke	56.48	79.03	61.25	65.59	80	30	50	-	8	9	2	5	4	3	-	N.E.	20	8	3	-	"

No. XIII. MEAN OF THE OBSERVATIONS FOR 1830.

PLACES OF OBSERVATION.	Latitude.	Longitude.	THERMOMETER. Mean Temperature. A.M. VII.	P.M. II.	P.M. IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow Days.	Prevailing
Fort Brady	46.39	84.83	40.15	49.44	40.56	43.38	93	-26	119	3.33	6.08	1.50	5.42	6.58	1.25	3.83	2.50	S.E.	9.50	13.17	4.50	3.25	Cl'dy.
Haucock Bar'ks	46.10		35.46	50.81	40.58	42.28	95	-23	118	1.17	9.33	6.83	1.92	6.67	1.67	2.75	0.08	N.W.	18.00	2.50	6.67	2.83	Fair.
Fort Snelling	44.53	93.08	44.93	54 97	45.91	48.60	94	-26	120	1.92	4.33	1.33	0.92	3.33	3.00	8.08	7.50	S.W.	17.92	6.67	3.50	2.33	,,
Fort Howard	44.40	87.00	40.89	54.99	44 44	46.67	100	-26	126	6.18	2 67	2.00	1.58	2.18	12.58	1.25	2.00	S.	15.08	9.75	3.08	2.50	Cl'dy.
Fort Preble	43.38	70.18	42.71	53.44	44.12	46.76	94	-16	110	1.67	2.17	2.50	2.75	2.33	4.92	5.17	8.92	W.	14.92	8.67	5.50	1.33	,,
Fort Niagara	43.15	79.05	50 66	57.80	53.46	53.97	98	0	98	2.25	3.08	4.17	3.33	2.33	3.75	4.68	6.84	W.	15.67	6.67	6.33	1.75	Fair.
F't Constitution	43.04	70.49	44.62	52.35	45.19	47.39	91	-10	101	1.83	5.67	5 75	1.83	0.58	7.00	3.84	3.92	S.	17.50	9.17	3.00	0.75	,,
Fort Wolcott	41.30	71.18	44.68	56.50	48.16	49.78	89	0	89	1.17	7.67	6.25	0.83	2.25	0.75	9.00	2.50	S.W.	13.67	10.75	5.25	0.75	Cl'dy.
Fort Armstrong	41.28	90.33	48.51	59.81	51.42	53.25	98	-24	122	4.75	1.92	2.25	3.58	2 50	7.67	3.42	4.33	S.	20.00	8.92	1.25	0.25	Fair.
West Point	41.22	73.57	48.31	58.49	51.01	52.60	92	-6	98	5.58	6.50	2.08	1.50	5.75	4.08	2.00	2.67	N.W.	19.42	7.17	3.42	0.42	,,
Fort Columbus	40.42	74.02	50.62	61.65	52.23	54.83	98	5	93	0.33	7.83	6.70	1.00	2.58	1.17	9.08	1.75	S.W.	21.08	6.33	2.75	0.25	,,
Washington city	38.41	76.55	50.82	56.03	56.25	54.37	98	4	94	1.42	9.42	4.17	0.92	2.50	6.17	4.92	0.92	S.	15.58	8.42	6.08	0.33	,,
Jefferson Bar'ks	38.28	90.08	53.25	63.77	58.55	58.52	98	-15	113	3 08	4.83	1.42	1.92	3.92	9.67	3.25	2.33	S.	18.92	7.08	4.33	0.08	,,
Fortress Monroe	37.02	76.12	58.40	65.14	61.31	61.62	94	21	73	3.92	2.83	6.92	1 67	2.75	1.08	8.58	3.42	S.W.	16.08	10.25	3.92	0.17	,,
Fort Gibson	35.30	95.10	56.69	76.63	61.86	65.06	107	3	104	1.75	3.08	4.92	2.83	15.00	0.83	1.42	0.58	S.E.	19.17	6.67	4.17	0.42	,,
Augusta Arsl.	33.28	81.53	57.75	74.07	66.25	66.02	102	12	90	0.42	5.75	4.08	0.08	7.00	1.08	9 67	1.58	S.W.	18.25	6.42	5.58	0.17	,,
Canton. Jesup	31.30	93.47	60.69	73.91	64.90	66.50	99	14	85	3.25	5.58	5.33	0.75	2.58	4.08	5.42	3.25	N.W.	18.58	7.75	4.00	0.08	,,
Petite Coquille	30.10	89.38	67.46	77.38	71.82	72.22	98	27	71	3.92	3.33	7.08	4.08	3.83	1.83	3.00	3.33	N.E.	23.67	5.08	1.67	-	,,
St. Augustine	29.48	81.35	68.09	75.38	70.07	71.18	94	30	64	1.58	2.33	9.08	0.67	10.67	1.08	3.25	1.75	S.E.	17.83	5.25	7.33	-	,,
Canton. Brooke	27.57	82.35	68.24	80.29	70.46	73.00	92	30	62	1.67	4.92	7.92	2.17	4.42	2.50	4.92	1.92	N.E.	19.33	8.67	2.42	-	,,

Abstract [A] *showing the mean temperature for each month, each season, and the whole year.*

Years of observation.	PLACES OF OBSERVATION.	Lat.	Mean annual temp.	MEAN TEMP. OF THE SEASONS.				MEAN TEMPERATURE FOR EACH MONTH.											
				Winter.	Spring.	Sum'r.	Aut'n.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1826-7-8	Fort Brady	46°39′	41.84	21.67	39.36	62.54	45.46	18.24	20.24	26.90	37.20	53.91	57.87	65.85	63.91	56.19	46.43	33.75	22.49
do	„ Snelling	44 53	45.77	17.29	45.67	72.80	47.35	13.59	19.27	31.19	42.49	63.32	71.94	74.77	71.68	58.12	49.50	34.15	15.08
1828-9-30	„ Preble	43 38	46.92	26.71	44.27	67.45	49.29	22.54	25.07	33.24	45.01	54.57	64.75	69.59	68.00	58.12	49.20	40.28	32.52
1829-30	„ Niagara	43 15	51.69	30.46	47.23	72.19	56.98	26.86	25.20	34.39	47.52	59.77	68.90	74.60	73.06	63.85	58.94	48.12	39.32
1828-9-30	„ Wolcott	41 30	50.10	33.21	48.66	67.93	53.21	30.77	30.39	36.96	45.38	55.75	64.84	69.45	69.50	61.69	53.10	44.84	38.45
do	„ Armstrong	41 28	51.57	26.86	50.53	76.06	52.60	24.49	24.59	36.48	51.29	63.83	74.01	77.77	76.06	62.22	55.36	40.22	31.49
do	West Point	41 22	52.74	32.81	50.44	73.28	54.51	29.52	29.74	38.88	50.54	61.90	70.88	74.53	74.42	65.33	52.66	45.55	39.15
do	Washington	38 41	55.68	37.85	54.70	76.83	56.97	35.90	36.53	44.50	53.71	65.88	75.48	78.02	76.98	66.99	56.41	47.50	41.12
do	Jefferson Barracks	38 28	57.77	37.37	58.63	78.54	56.53	35.42	33.63	46.68	59.18	70.04	77.90	78.67	79 09	67.11	56.12	46.36	43.07
do	Fortress Monroe	37 02	61.57	45.51	58.25	78 50	64.01	44.67	43.40	49.13	57.58	68.04	76.49	79.69	79.32	71.85	64.33	55.84	48.45
do	Cant. Gibson	35 30	62.90	44.31	62.49	81.14	64.90	45.47	41.25	53.51	61.28	72.69	78.65	81.49	83 28	74.61	65.95	54.12	46.20
do	Augusta Arsl.	33 28	65.24	50.66	64.30	81.21	64.49	50.00	49.44	55.90	64.29	72.72	81.06	81.55	81.02	72.73	64.76	55.97	52.55
do	Petite Coquille	30 10	71.40	59.05	70.13	83.44	72.98	57.71	58.47	63.86	69.28	77.41	82.73	83.77	83.83	80.56	73.10	61.95	61 32
1825-8-30	St. Augustine	29 48	72.24	62 83	70.55	82.05	73.56	62.15	64.97	66.53	68.68	76.44	81.12	82.36	82.68	79.56	73.61	67.47	61.38
do	Cant. Brooke	27 57	73.19	65.02	71.71	81.04	74.59	63.75	66.56	66.48	71.27	77.39	80.90	81.43	80.79	79.01	75.04	69.71	64.76
	Fort Vancouver, (Oregon, Ter.)	45 37	51.75	41.33	48.00	65.00	52.67	38.00	43.00	44.00	46.00	54.00	63.00	66.00	66.00	61.00	54.00	43.00	43.00
	North Cape	71 00	32 00	23.72	29.66	43.34	32.08												
	Uleo (Lap.)	65 03	35.08	11.84	27.14	57.74	35.96												
	Edinburgh	55 58	47.31	39.40	44.70	57.30	47.86	40.17	39.54	39. 60	45.84	48.67	54.85	59.31	57.74	55.61	48.37	39.60	38.50
	Moscow (Russ.)	55 45	40.10	10.78	44.06	67.10	38.30												
	London	51 31	50.39	39.12	48 76	62.32	51.35	37.36	40.44	42.64	48.00	55.64	60.00	63.43	63.52	58.80	51.78	43.47	39.58
	Environs of L'don	—	48.81	37.20	48.06	60.80	49.13	34.16	39.78	41.51	46.89	55.79	58.66	62.40	61.35	56.22	50.24	40.93	37.66
	Penzance	50 7	52.16	44 66	49.66	60.50	53.83	43.00	44.50	46.50	48.50	54.00	59.00	61.00	61.50	58.00	54.50	49.00	46.50
	Paris	48 50	51.50	38.43	50.40	64.47	52.30	35.60	40.50	43.50	49.60	58.10	62.50	65.70	65.20	60.40	52.40	44.20	39.20
	Nice	43 41	59.48	47.82	56.23	72.26	61.63	45.85	49.00	51.45	57.00	63.00	69.00	73 50	74.30	69.35	61.85	53.70	48.60
	Montpelier	43 36	57.60	44.20	53.33	71.30	61.30	42.00	45.00	47.00	53.00	60.00	67.00	72.00	75.00	71.00	61.00	52.00	46.00
	Rome	41 54	60.70	48.90	57.65	72.16	63.96	47.65	49.45	52.05	56.40	64.50	69.17	73.30	74.02	69.50	63.60	58.80	49.62
	Naples	40 50	61.40	48.50	58.50	70.83	64.50	46.50	48.50	52.00	57.00	66.50	71.00	75.00	76.50	72.50	65.00	54.50	50.50
	Madeira	32 37	64.56	59.50	62.20	69.33	67.23	59.50	58.50	61.06	62.50	63.00	65.00	70.00	73.00	71.50	67.50	62.70	60.50
	Cairo	30 2	72.12	58.52	73.58	85.10	71.48	58.10	56.12	64.58	77.90	78.26	83.66	85.82	85.82	79.16	72.32	62.96	61.34
	Cumana (S. Am.)	10 27	81 86	80 24	83.66	82.04	80.24												

Abstract [B] *showing the difference between the mean temperature of each season and of* ———.

PLACES OF OBSERVATION.	Annual mean temperature.	Diff. of the mean temp. of winter and summer.	Diff. of the mean temp. of warmest and coldest m'ths.	Mean diff. of successive months.	DIFFERENCE OF THE SUCCESSIVE SEASONS.				DIFFERENCE OF THE SUCCESSIVE MONTHS.										
					of winter and spring.	of spring and sum'r.	of sum'r and autumn.	of autumn and winter.	of Jan. and Feb.	of Feb. and March.	of March and April.	of April and May.	of May and June.	of June and July.	of July and August.	of August and Sept.	of Sept. and Oct.	of Oct. and Nov.	of Nov. and Dec.	of Dec. and Jan.
Fort Brady	41.84	40.87	47.61	7.94	17.69	23.18	7.08	23.79	2·00	6.66	10.30	16.71	3.96	7.98	1.94	7.72	9.76	12.68	11.26	4.25
„ Snelling	45.77	55.51	61.18	10.20	28.38	27.13	25.45	30.06	5.68	11.92	11.30	20.83	8.62	2.83	3.09	13.56	8.62	15.35	19 07	1.49
„ Preblo	46.92	40.74	47.05	7.84	17.56	23.18	18.16	22.58	2.53	8.17	11.77	9.56	10.18	4.84	1.59	9.88	8.92	8.92	7.76	9.98
„ Niagara	51.69	41.73	49.40	8.22	16.77	24.96	15.21	26.52	1.66	9.19	13.13	12.25	9.13	5.50	1.54	9.21	4.91	10.82	8.80	12.46
„ Wolcott	50.10	34.72	39.11	6.52	15.45	19.27	14.72	20.00	0.38	6.57	8.42	10.37	9.09	4.61	0.05	7.81	8.59	8.26	6.39	7.68
„ Armstrong	51.57	49 20	53.28	8.80	23.67	25.53	23.46	25.74	0.10	11.89	14.81	12.54	10.18	3.76	1.71	13.84	6.86	15.14	8.73	7.00
West Point	52.74	40.47	45.01	7.50	17.63	22.84	18.77	21.70	0.22	9.14	11.66	11.36	8.98	3.65	0.11	9.09	12.67	7.11	6.40	9.63
Washington	55.68	38.98	42.12	7,02	16.85	22.13	19.86	19.12	0.63	7 97	9.21	12.17	9.60	2.54	1.04	9.99	10.58	8.91	6.38	5.22
Jefferson Barracks	57.77	41.17	45.46	7.58	21.26	19.91	22.01	19.16	1.79	13.05	12.50	10.86	7.86	0.77	0.42	11.98	10.99	9.76	3 29	7.65
Fortress Monroe	61.57	32.99	36.29	6.04	12.74	20.25	14.49	18.50	1.17	5.73	8.45	10.46	8.45	3.20	0.37	7.47	7.52	8.49	7.39	3.78
Cant. Gibson	62.90	36.83	42.03	7.00	18.18	18.65	16.24	20.59	4.22	12.26	7.77	11.41	5.96	2.84	1.79	8.67	8.65	11.83	7.92	0.73
Augusta Arsl.	65.24	30.55	32.11	5.35	13.64	16.91	16.72	13.83	0.56	6.46	8.39	8.43	8.34	0.49	0.53	8.29	7,97	8.79	3.42	2.55
Petite Coquille	71.40	24.39	26.12	4.35	11.08	13.31	10.46	13.93	0.76	5.39	5.42	8.13	5.32	1.04	0.06	3.27	7.46	11.15	0.63	3.61
St. Augustine	72.24	19.22	21.30	3.55	7.72	11.50	8.49	11.41	2.82	1.56	2.15	7.76	4.68	1.24	0 32	3.12	5.95	6.14	6.09	0.77
Cant. Brooke	73.19	16.02	17.68	2.97	6.69	9.33	6.45	9.57	2.81	0.08	4.79	6.12	3.61	0.53	0.64	1.78	3.97	5.33	4.95	1.01
Ft. Vancouver (Oregon Ter.)	51.75	23.67	28.00	4.25	6.67	17.00	12.33	11.33	5.00	1.00	2.00	8.00	9.00	3.00	0.00	5.00	7.00	11.00	0.00	0.00
North Cape	32.00	19.62	24.48		5.94	13.68	11.26	8.36												
Uleo (Lap.)	37.08	45.90	53.82		15.30	30.60	21.78	24.12												
Edinburgh	47.31	17.90	20.81	3.65	5.30	12.60	9.44	8.46	0.63	0.06	6.24	3.17	6.18	4.48	1.57	2.13	7.24	8.77	1.10	1.67
Moscow (Russ.)	40.10	56.32	64.44		33.28	23.04	28.80	27.52												
London	50.39	23.20	26.17	4.36	9.64	13.56	11.00	12.22	3.08	2.20	5.36	7.64	4.36	3.43	0.10	4.73	7.00	8.31	3.89	2.22
Environs of London	48.81	23.60	28.24	4.87	10.86	12.74	11.67	11.93	5.62	1.73	5.38	9.90	2.87	3.74	1.05	5.13	6.00	9.31	3.27	3 50
Penzance	52.16	15.84	18.50	3.05	5.00	10.84	6.67	9.17	1.50	2.00	2.00	5.50	5.00	2.00	0.50	3.50	3.10	5.50	2.50	3.50
S. W. of France	55.29	26.42	30.87	4.47	12.08	14.59	12.74	14.00	4.55	1.45	8.52	7.33	4.52	6.80	3.72	3.22	11.08	6.27	5.27	3.94
Italy	59.46	27.56	32.10	5.75	11.53	16.03	11.33	16.70	3.50	4.33	6.21	7.63	5.80	5.12	0.82	4.30	9.53	9.06	5.85	3.40
Madeira	64.56	9.83	14.50	2.41	2.70	7.13	2.10	7.73	1.00	2.56	1.44	0.50	2.00	5.00	3.00	1.50	4.00	4.80	2.20	1.00
Cairo	72,17	26.58	27.72	5.50	15.06	11.58	13.62	13.00	2.00	8.46	13.32	0.36	5.40	2.16	0.00	6.66	6.84	10.64	1.61	3.24
Cumana (S. America)	81.86	1.80	5.22		3.42	1.62	1.80	0.00												

Abstract [C] *containing the annual and monthly ranges of temperature.*

PLACES OF OBSERVATION.	Mean annual temperature.	ANNUAL RANGE. Range.	Max. of the year.	Min. of the year.	Mean of the monthly ranges.	JAN. Range.	JAN. Max.	JAN. Min.	FEB. Range.	FEB. Max.	FEB. Min.	MARCH. Range.	MARCH. Max.	MARCH. Min.	APRIL. Range.	APRIL. Max.	APRIL. Min.	MAY. Range.	MAY. Max.	MAY. Min.	JUNE. Range.	JUNE. Max.	JUNE. Min.	JULY. Range.	JULY. Max.	JULY. Min.	AUGUST. Range.	AUGUST. Max.	AUGUST. Min.	SEPT. Range.	SEPT. Max.	SEPT. Min.	OCT. Range.	OCT. Max.	OCT. Min.	NOV. Range.	NOV. Max.	NOV. Min.	DEC. Range.	DEC. Max.	DEC. Min.
Ft. Vancouver (Oregon Ter.)	51.75	78	95	17	37	39	58	17	23	55	32	28	60	32	42	70	32	43	75	32	50	95	45	55	95	40	51	95	44	45	88	43	16	66	50	26	58	32	23	55	32
Fort Brady	41.84	105	86	-19	44	60	41	-19	58	44	-14	59	50	-9	43	58	15	44	76	32	46	86	40	32	82	50	36	83	47	38	76	38	43	69	26	38	57	19	47	41	-6
„ Snelling	45.77	116	94	-22	50	64	41	-23	66	49	-17	66	56	-10	51	68	17	46	83	37	38	92	54	33	92	59	35	89	54	43	82	39	55	82	27	47	58	11	54	42	-12
„ Preble	46.96	98	91	-7	39	52	45	-7	46	45	-1	47	57	10	34	67	35	38	77	39	36	84	48	35	91	56	30	86	56	33	75	42	38	68	30	34	58	24	51	54	3
„ Niagara	51.69	92	93	1	38	52	53	1	49	52	3	42	57	15	46	79	33	43	85	42	28	86	58	34	93	59	26	87	61	35	83	48	32	76	44	27	61	34	45	61	16
„ Wolcott	50.10	80	84	4	34	45	49	4	37	47	10	38	57	19	34	67	33	36	77	41	30	82	52	26	84	58	24	82	58	34	79	45	33	67	34	34	62	28	42	56	14
„ Armstrong	51.57	107	96	-11	48	60	49	-11	65	56	-9	57	69	12	51	80	29	46	86	40	38	93	55	36	96	60	33	93	60	42	87	45	46	83	37	43	64	21	61	63	2
West Point	52.74	91	93	2	41	52	54	2	55	57	2	55	72	17	45	78	33	37	83	46	30	89	59	32	93	61	26	87	61	36	87	51	41	73	32	36	64	28	47	63	16
Washington	55.68	83	95	12	40	45	58	13	46	58	12	50	72	22	43	78	35	35	84	49	30	92	62	32	95	63	32	94	62	45	90	45	43	75	32	37	67	30	46	62	16
Jefferson Barracks	57.77	90	97	7	44	51	62	11	63	70	7	43	75	32	45	82	37	43	89	46	37	96	59	34	97	63	33	97	64	40	90	50	40	79	39	42	68	26	53	64	11
Fortress Monroe	61.57	68	93	25	31	37	62	25	33	61	28	42	69	27	37	78	41	29	82	53	25	90	65	25	93	68	28	89	71	26	86	60	18	72	54	33	72	39	35	64	29
Cant. Gibson	62.90	89	104	15	49	59	77	18	56	71	15	54	82	28	53	87	34	43	91	48	38	100	63	31	100	69	39	104	65	45	98	53	55	92	37	54	84	30	62	82	20
Augusta Arsl.	65.24	73	98	25	40	43	68	25	40	70	30	49	80	31	50	86	36	37	91	54	34	94	60	31	98	67	27	95	68	40	92	52	37	81	44	40	75	35	51	76	25
Petite Coquille	71.40	62	94	32	31	44	76	32	38	74	36	34	80	46	34	84	50	24	89	65	20	92	72	19	93	74	19	94	75	28	92	64	32	86	54	37	80	43	41	79	38
St. Augustine	72.24	51	92	41	23	35	78	43	30	79	49	26	78	53	31	80	49	20	88	68	17	90	73	14	92	78	12	91	79	14	86	72	22	82	60	22	78	56	36	77	41
Cant. Brooke	73.19	52	92	40	29	34	77	43	35	81	46	35	84	49	35	87	52	23	90	67	24	91	67	19	92	73	19	92	73	23	91	68	32	88	56	32	84	52	40	80	40
*London	50.39	64	86	22	34	28	50	22	27	52	25	32	61	29	37	69	32	39	75	36	48	86	38	33	77	44	38	82	44	35	75	40	33	65	32	30	57	27	30	54	24
*Environs of London	48.81	67	83	16	38	33	49	16	35	54	19	36	60	24	43	69	26	45	78	33	41	80	39	42	83	41	37	79	42	41	75	34	38	68	30	34	56	22	33	53	20
*Penzance (Eng.)	52.16	49	76	27	24	26	54	28	22	55	33	25	59	34	26	62	36	27	68	41	26	72	46	22	73	51	22	73	51	23	69	46	24	64	40	21	57	36	22	56	34
Montpelier	57.60	59	86	27	23	26	53	27	25	55	30	23	58	35	23	64	41	22	71	49	24	80	56	23	85	62	21	86	65	20	75	55	23	71	48	22	62	40	25	57	32
Nice	59.48	60	87	27	21	31	58	27	21	58	37	24	65	41	23	69	46	26	77	41	20	78	58	15	81	66	18	87	69	21	82	61	22	70	48	18	61	43	19	59	40
Rome	60.70	62	91	29	28	29	58	29	27	60	33	28	65	37	30	74	44	28	80	52	28	88	60	27	91	64	29	91	62	30	85	55	31	77	46	28	67	39	29	60	31
Naples	61.40	64	93	29	29	29	58	29	29	60	31	31	69	38	35	78	43	35	86	51	32	88	56	29	93	64	29	91	62	28	88	60	28	79	51	20	64	44	27	61	34
Madeira	68.89	23	77	54	12	12	68	56	11	68	57	13	67	54	13	71	58	15	75	60	14	76	62	12	77	65	10	77	67	11	77	66	11	76	65	12	71	59	11	69	50

* Observations made with the Register Thermometer.

NOTE.

It is found, upon a further examination of the "Diaries of the Weather," that the observations upon the rain-guage have been sufficiently extensive to warrant a tabular arrangement of the data. The following abstract exhibits the observations made within the last four years, condensed into annual results.

To determine the quantity of rain that falls upon any point of the earth's surface, is an important element in meteorology. The table now given affords evidence of the valuable information to be derived from this source. The data, however, are not sufficiently extensive to authorize general conclusions.

PLACES OF OBSERVATION.	Latitude.	Longitude.	OBSERVERS.	1836.	1837.	1838.	1839.	Mean annual quantity in inches.
Fort Constitution	43.05	70.45	Ass. Surg. Sargent	28.10	28.16	31.84	27.28	28.85
Watertown Arsl.	42.21	72.12	A. Ass. Surg. Adams	..	32.16	44.01	42.90	39.69
Fort Wood	40.43	74.01	Ass. Surgs. Eaton and Monroe	49.09	51.00	41.51	50.03	47.90
„ Hamilton	40.43	71.01	Ass. Surg. Eaton and A. Ass. Surg. Carpenter	..	..	39.70	51.72	45.71
Hancock Barracks	46.10	67.55	Ass. Surg. Sprague	..	33.68	38.37	38.70	36.92
Waterolirt Arsl.	42.30	73.13	A: Ass. Surgs. Hungerford and Viele	44.30	32.06	30.80	29.73	34.22
West Point	41.24	73.51	Surg. Wheaton	50.14	44.88	44.00	55.80	48.70
Allegheny Arsl.	40.35	80.08	Ass. Surg. Day	..	35.67	23.10	25.64	28.14
Dearbornville Arsl.	42.22	82.55	A. Ass. Surg. Sweeney	40.00	..	29.84	24.05	31.30
Fort Brady	46.39	84.43	Ass. Surgs. M'Dougall, Porter, and Holt	..	36.93	34.73	24.01	31.89
„ Howard	44.40	87.00	Surg. Satterlee, Ass. Surg. Worrell, and A. Ass. Surg. Ward	37.64	41.55	42.83	31.32	38.83
„ Winnebago	43.35	89.30	Surg. Foot and Ass. Surg. Laub	..	31.32	27.85	36.47	31.88
„ Snelling	44.53	93.08	Ass. Surgs. Wright and Emerson	..	41.57	28.21	21.19	30.32
„ M'Henry	39.17	76.36	A. Ass. Surg. Roberts	39.50	45.00	39.10	39.60	40.80
„ Monroe	36 51	76.19	Surg. Finley and Ass. Surg. Archer	..	40.70	44.74	72.20	52.55
Washington City	38.53	76.55	Wm. G. Crunch, Esq.	47.27	31.80	35.10	36.97	34.62
Fort Crawford	43.03	90.53	Surg. Elwes and Ass. Surg. M'Laren	..	33.65	23.31	31.66	29.54
„ Leavenworth	39.20	95.05	Surg. Macomb	..	38.45	26.28	33.32	32.68
St. Louis Arsl.	38.40	80.10	Surg. Beaumont	..	26.33	21.90	..	24.12
Fort Smith	35.30	94.25	Ass. Surg. Hammond	..	37.00	27.30	42.62	35.64
„ Gibson	35.49	18.06	Surgs. De Camp and Wharton, and Ass. Surg. Bailey	..	31.05	18.49	42.39	30.64
„ Towson	33.33	94.55	Ass. Surgs. Wells and Southgate	..	43.80	34.40	62.00	46.73
„ Jesup	31.30	93.47	Surg. Craig	48.85	48.54	47.32	45.00	47.43
New Orleans	29.57	90.14	Dr. Barton			70.89	50.82	51.85
Key West	24.33	81.52	W. A. Whitehead, Esq.					31.39

APPENDIX.

METEOROLOGICAL REGISTER

FOR THE YEARS

1822, 1823, 1824, AND 1825,

FROM

OBSERVATIONS

MADE BY THE SURGEONS OF THE ARMY,

AT

THE MILITARY POSTS OF THE UNITED STATES.

PREPARED UNDER THE DIRECTION OF

JOSEPH LOVELL, M.D.,
SURGEON-GENERAL UNITED STATES ARMY.

METEOROLOGICAL REGISTER.

REMARKS.

On the question whether in a series of years there be any material change in the climate of a given district of country; and if so, how far it depends upon cultivation of the soil, density of population, &c. the most contradictory opinions have been advanced. While one contends, that as population increases and cultivation extends the climate becomes warmer, another is equally convinced that it becomes colder, and a third, that there is no change in this respect. These opinions are for the most part founded on a comparison of the climate of Europe at the present day with what it is supposed to have been two thousand years ago; and their great discrepancy may in some measure be accounted for from the circumstance, that the facts are few and the period of observation remote; while the changes, if any, have been exceedingly slow, and their ratio to the alleged causes exceedingly uncertain.

The United States, however, appear to offer an opportunity of bringing the question to the test of experiment and observation. For here within the memory of many now living the face of whole districts of country has been entirely changed; and in several of the States two centuries have effected as much as two thousand years in many parts of Europe. In this respect, the "Landing of the Pilgrims" in 1620 is as remote a period as that of the invasion of Gaul or of Britain by Julius Cæsar.

The time for improving this opportunity, however, like that for recording the history, language, manners, and customs of the aborigines of the country, is fast passing away; and in a few generations, both these sons of the forest and the interminable wilderness they inhabited will, for all useful purposes, be as though they had never been. As, therefore, the military posts within the United States afford every convenience for making numerous observations over an extensive district of country, and regular diaries of the weather have for some years past been kept at most of them, the following tables have been prepared in the form that appears best calculated for reference, in order to preserve the facts thus collected.

The first twelve tables for each year give the mean of the observations at the several posts for each month, and the thirteenth, the mean for the whole year. The last, or general table gives the average of all the observations at the several stations, and also the average for the several years, calculated in the manner stated in page 104. Should it be practicable to obtain similar observations for eight or ten years, it is proposed to collect, if possible, such as may have been made at an early period after

the settlement of the country, in order to ascertain what changes, if any, have taken place, either in the mean temperature, the range of the thermometer, the course of the winds, or the weather, in the Atlantic States.

The posts at which these observations were made are situated between 27° 57′ and 46° and 39′ of north latitude, and between 67° 04′ and 94° 43′ of longitude west from Greenwich; embracing an extent of 18° 42′ of latitude, and 28° 39′ of longitude. The elevation of the north western, or interior, stations above those on the Atlantic coast has not been accurately ascertained; the following however is believed to be near the truth. Fort Brady, situated at the outlet of Lake Superior, is 595 feet above the level of tide water; Fort Howard, at the southern extremity of Green Bay, which empties into Lake Michigan, 600 feet; Fort Crawford, at Prairie du Chien, near the junction of the Wisconsin and Mississippi rivers, 580 feet; Fort Snelling, near the junction of the St. Peters and Mississippi rivers, 780 feet; Council Bluffs, a few miles above the junction of the Platte and Missouri rivers, 800 feet. Baton Rouge, on the Mississippi, 120 miles above New Orleans, and Cantonment Jesup, near the Sabine river, 25 miles from Natchitoches, are in Louisiana; Cantonment Clinch near Pensacola, Cantonment Brooke near Tampa Bay, and St. Augustine, in Florida. Fort Moultrie is in the harbour of Charleston, South Carolina; Fort Johnston near Smithville, North Carolina; Fort Severn at Annapolis, in Maryland; Fort Mifflin in the Delaware, 6 miles below Philadelphia; Fort Columbus in the harbour of New York; Fort Wolcott in the harbour of Newport; and Fort Sullivan near Eastport, in the state of Maine. The observations at the city of Washington are introduced by way of comparison, as the latitude of this city is very nearly the same with that of the centre of the several military posts. They were made by the Rev. Mr. Little, by whom they were very politely furnished for the present purpose.

Although from the circumstances under which these observations were made at several of the posts, they may not be as accurate as could be wished, yet they are, perhaps, sufficiently so for the purpose of general abstracts; for the mean of each month being deduced from 90, and of each years from 1095 observations, occasional errors would not materially affect the general result.

The chief object at present being to record facts, the following remarks are premised merely for the convenience of those who may be curious in these matters without wishing the trouble of tedious calculations. In order to ascertain the means for the several years, as given in the last table, the extreme stations are taken, and as many intermediate ones, at the north and south respectively, as are found to be equi-distant from them, or nearly so. Thus in 1822, Fort Snelling is the extreme northern, and Cantonment Clinch the extreme southern, post; Council Bluffs is 3° 28′ south of the former, and Fort Johnston 3° 36′ north of the latter, &c. The aggregate of these should give the mean of the centre of the district of country in which the observations were made; and the result appears to be near the truth. For the latitude of the city of Washington is 38° 53′, and the average mean temperature is 56.56; the centre of the several stations at which these observations were made is in latitude 38° 13′, and the average mean temperature is 56.52. In comparing the eastern and western posts, those in about the same latitude are of course taken; thus, Council Bluffs is 24° 25′ west, and but 0° 05′ north,

of Fort Wolcott; Fort Snelling is 26° 04′ west, and but 0° 09′ north, of Fort Sullivan. To prevent the constant repetition of the terms East and West, the numbers only are stated; it being always understood that the first relates to the East and the second to the West; thus, in January, 1822 the means are stated to be 22.20 and 16.25, that is, 22.20 at the East, and 16.25 at the West.

In 1822 the aggregate mean temperature of the year was 57.06; the highest degree 108; the lowest −29; and the range 137. The proportion of winds was N. 5.07, S. W. 4.95, N. W. 4.93, S. 4.60, S. E. 3.39, W. 3.10, N. E. 2.67, E. 1.71. The proportion of weather, Fair 18.90, Cloudy 5.03, Rain 5.63, Snow 0.85. At Fort Snelling, the most northern station, the mean for the year was 44.32; the highest degree 92, the lowest −29, and the range 121. At Cantonment Clinch, the most southern station, the mean for the year was 68.97, the highest degree 93, the lowest 20, and the range 73. On comparing the eastern and western posts, it appears that at the former the mean temperature of the winter months is much higher, and that of the summer months much lower, than at the latter. Thus in January it is 22.20 and 16.35, February 27.40 and 26.40, March 35.52 and 41.10, April 42.31 and 46.53, May 55.21 and 62.60, June 62.63 and 72.10, July 68.33 and 77.54, August 66.52 and 75.02, September 63.54 and 64.19, October 51.25 and 45.84, November 42.49 and 32.96, December 29.55 and 8.03. During the six winter months the means are 34.73 and 28.44; being 6.26 *higher* at the east, and during the summer months they are 59.76 and 66.33; being 6.67 *lower* at the east than at the west; making but a fractional difference for the year, which was 47.24 at the east and 47.38 at the west. The highest degrees were 88 and 108, the lowest −9 and −29, the ranges 97 and 137; and it was greatest at the west, not only for the year, but also for every month except July and August, when it was about the same. The course of the winds was N. 3.54 and 5.08, N. W. 6.29 and 7.25, N. E. 1.91 and 3.08, E. 1.21 and 0.96, S. E. 1.79 and 3.63, S. 5.04 and 3.04, S. W. 7.37 and 5.37, W. 3.26 and 1.96. Weather, Fair 18.34 and 19.75, Cloudy 7.37 and 4.17, Rain 4.00 and 4.33, Snow 0.34 and 2.16. Prevailing winds at the east, S. W., N. W. and S. at the west, N. W., S. W. and N. The proportion of fair weather and rain was nearly equal; of cloudy weather much more, and of snow much less, at the east.

In 1823 the aggregate mean temperature of the year was 55.22; the highest degree 100; the lowest −38; and the range 138. The proportion of winds was S. W. 7.22, N. E. 4.84, S. E. 4.10, N. W. 3.85, S. 3.19, N. 3.15, W. 2.29, E. 1.65. Weather, Fair 16.48, Cloudy 6.16, Rain 5.98, Snow 1.77. At Fort Brady, the most northern post, the mean of the year was 39.66; the highest degree 90; the lowest −30; and the range 120. At Cantonment Clinch, the most southern station, the mean was 68.25; the highest degree 94; the lowest 11; and the range 83. On comparing the eastern with the western posts, the mean of the winter months for this year also is *higher*, and of the summer months *lower*, at the east. Thus in January it is 24.12 and 21.05, February 21.90 and 15.52, March 32.65 and 32.42, April 42.41 and 48.82, May 51.19 and 57.02, June 64.60 and 72.50, July 66.76 and 75.36, August 66.65 and 72.89, September 58.79 and 60.14, October 49.92 and 49.12, November 35.79 and 35.67, December 32.05 and 23.77. During the winter months the means are 32.73 and 29.61, being 3.12 *higher* at the east; and during

the summer months 58.40 and 64.45, being 6.05 *lower* at the east. The means for the year are 45.50 and 47.03, being 1.53 higher at the west, where the winter was comparatively warmer than in 1822. The highest degrees were 90 and 102, the lowest –10 and –30; the ranges 100 and 132. Course of the winds, N. 3 and 2.03, N. W. 7.50 and 2.79, N. E. 2.83 and 6.87, E. 1.24 and 1.87, S. E. 1.83 and 2.23, S. 5.08 and 3.20, S. W. 5.95 and 9.50, W. 2.95 and 1.83. Weather, Fair 15.12 and 18.41, Cloudy 9.62 and 7.95, Rain 4.16 and 2.40, Snow 1.50 and 1.58. Prevailing winds at the East N. W., S. W. and S.; at the West S. W., N. E. and S. The proportion of fair weather was considerably less, of cloudy weather and rain considerably greater, at the east; the proportion of snow about the same.

In 1824 the aggregate mean temperature of the year was 55.56; the highest degree 96; lowest –33; and the range 129. The proportion of winds, S. 5.33, S.W. 4.73, N.W. 4.65, N. 3.85, S.E. 3.83, W. 3.40, N.E. 2.84, E. 1.79. The proportion of weather, Fair 17.55, Cloudy 5.03, Rain 6.29, Snow 1.49. At Fort Brady, the most northern post, the mean temperature was 40.94; the highest degree 89, the lowest –33; and the range 122. At Cantonmont Clinch, the most southern station, the mean temperature was 69.10, highest degree 95, lowest 24, range 71. On comparing the eastern and western posts, the means for January were 27.22 and 25.82, February 26.62 and 22.70, March 33.45 and 28.45, April 44.12 and 44.78, May 50.61 and 58.43, June 60.77 and 66.28, July 67.49 and 74.49, August 65.61 and 71.53, September 60.44 and 62.00, October 49.96 and 46.91, November 38.50 and 30.28, December 32.41 and 26.53. During the winter months the means were 34.69 and 30.11, being 4.58 *higher* at the east; and during the summer months 58.17 and 62.92, being 4.75 *lower* at the east. The means for the year 46.43 and 46.51, a difference of but 0.08. The highest degrees were 86 and 103, the lowest –19 and –21, the range 105 and 124. Course of the winds, N. 3.16 and 4.45, N.W. 6.83 and 1.20, N.E. 2.58 and 6.70, E. 1.50 and 1.00, S.E. 1.70 and 1.87, S. 4.28 and 6.78, S.W. 6.33 and 8.12, W. 3.45 and 0.36. Weather, Fair 16.58 and 18.04, Cloudy 8.50 and 7.04, Rain 4.70 and 3.33, Snow 0.70 and 2.08. The prevailing winds at the east were N.W., S.W., and S.; at the West S.W., S., and N.E. The proportion of fair weather was less, and of cloudy weather and rain greater, at the east, the proportion of snow much less.

In 1825 the aggregate mean temperature of the year was 58.27; the highest degree 102; the lowest –25; and the range 127. The proportion of winds, S.E. 5.52, N.W. 4.81, N.E. 4.72, W. 3.24, N. 3.23, S.W. 3.09, S. 2.79, E. 1.45. The proportion of weather, Fair 16.91, Cloudy 5.67, Rain 6.49, Snow 1.32. At Fort Brady, the most northern station, the mean for the year was 40.60; highest degree 89; lowest –25; range 114. At Cantonment Brooke, the most southern station, the mean for the year was 72.37; the highest degree 92; the lowest 40; range 52. On comparing the eastern and western posts, the means in January were 26.34 and 17.63, February 27.67 and 29.58, March 36.89 and 38.31, April 45.12 and 57.32, May 53.37 and 63.94, June 65.04 and 71.86, July 70.98 and 75.42, August 68.12 and 74.83, September 59.86 and 63.60, October 51.94 and 50.36, November 41.13 and 38.50, December 31.65 and 19.26. During the six winter months the means were 35.94 and 32.27, being 3.67 *higher* at the east; and during the summer months

60.41 and 67.83, being 7.42 *lower* at the east. The means for the year were 48.17 and 50.05, being 1.88 warmer at the west; the highest degrees were 94 and 102, the lowest –5 and –25, the ranges 99 and 127. The course of the winds was N. 2.91 and 4.03, N.W. 6.25 and 5.74, N.E. 3.50 and 2.16, E. 1.54 and 1.50, S.E. 1.62 and 4.58, S. 3.62 and 5.29, S.W. 7.83 and 4.37, W. 3.54 and 2.66. Weather, Fair 16.53 and 16.25, Cloudy 9.62 and 6.62, Rain 3.62 and 6.12, Snow 0.60 and 1.41. Prevailing winds at the East S.W., N.W., and S.; at the West N.W., S., and S.E. The proportion of fair weather was about the same; of cloudy considerably greater, and of rain and snow much less, at the east.

By the last table it appears that the aggregate mean temperature was highest in 1825 and lowest in 1823, there being however but a fractional difference between this and the following year. The average of the whole period is 56.52, being about one degree lower than at Bourdeaux in latitude 44° 50′. The range was greatest in 1822 and 1823, and nearly equal; and several degrees less in 1824 and 1825, being least in the latter year. The N., N.W., and W., and E. winds are most uniform in the several years; the rest are more variable. The prevailing winds are S.W., N.W., and S.E. The proportion of fair weather was greatest in 1822 and least in 1823, which however differed but little from 1825. The proportion of cloudy weather, rain, and snow, is pretty equal, except that there was much less snow in 1822. The aggregate mean for the whole period was, Fair 17.46, Cloudy 5.47, Rain 6.10, Snow 1.36.

In 1822 the mean temperature at the east and west was nearly equal. In 1823, 1.74 lower at the east, and but 0.33 lower at the west, than in the previous year; the winter being comparatively milder at the west. In 1824, the mean temperature was again nearly the same, but about one degree lower than in 1822. In 1825, it was higher than in any previous year, and 1.88 higher at the west than at the east. The average for the four years was 46.83 and 47.74, being 0.91 higher at the west. In 1822, the range was 40° greater at the west; in 1823 it was 32° greater; in 1824, 19°; and in 1825, 25°. The greatest proportion of fair weather, both at the east and west, was in 1822; with rather the most at the west. In 1823, there was much less at the east and somewhat less at the west, than in the former year. In 1824, there was rather more at the east and about the same at the west as in 1823; and in 1825 it was about the same at the east and considerably less at the west, than in the previous year. The proportion of rain was nearly the same at the east during the four years, but somewhat less in 1825. There was a great difference at the west, being much greater in 1825, than in any other year, and much less in 1823. The proportion of snow was much the greatest at the east in 1823, and least in 1822; at the west it was greatest in 1822 and 1824, and least in 1825. The average for the four years was, Fair 16.64 and 18.11, Cloudy 8.86 and 6.44, Rain 4.12 and 4.04, Snow 0.78 and 2.05; being rather more fair and less cloudy weather, with about the same proportion of rain, and much more snow, at the west.

The following table may serve to compare the annual mean temperature at some of the military posts in the United States, with that at several places on the other side of the Atlantic, and shows that it is considerably greater at the latter, and especially in the higher latitudes.

PLACES.	North Latitude.	Longitude.	Mean Temperature.
Petersburg - - - -	59 56	30 24 E.	38 80
Stockholm - - - -	59 20	18 00 E.	42 39
Edinburgh - - - -	55 57	3 00 W.	47 70
Berlin - - - - -	52 32	13 31 E.	49 00
Leyden - - - - -	52 10	4 32 E.	52 25
London - - - - -	51 31	- - -	51 90
Rouen - - - - -	49 26	1 00 W.	51 00
Paris - - - - -	48 50	2 25 E.	52 00
Vienna - - - - -	48 12	16 22 E.	51 53
Nantes - - - - -	47 13	1 28 E.	55 53
Poitiers - - - -	46 39	0 30 E.	53 80
Fort Brady - - - -	46 39	84 43 W.	41 37
Padua - - - - -	45 23	12 00 E.	52 20
Fort Snelling - - -	44 53	93 08 W.	45 00
Bourdeaux - - - -	44 50	0 26 W.	57 60
Fort Sullivan - - -	44 44	67 04 W.	42 44
Fort Howard - - -	44 40	87 00 W.	44 50
Marseilles - - - -	43 19	5 27 E.	61 80
Fort Crawford - - -	43 03	90 53 W.	45 52
Fort Wolcott - - -	41 30	71 18 W.	51 02
Council Bluffs - - -	41 25	95 43 W.	50 82
Pekin - - - - -	39 54	116 29 W.	55 50
Washington - - - -	38 53	76 55 W.	56 56
Algiers - - - - -	36 49	2 17 E.	72 00
Fort Johnston - - -	34 00	78 05 W.	66 68
Cantonment Clinch - -	30 24	87 14 W.	68 77
Grand Cairo - - - -	30 00	31 23 E.	73 00
St. Augustine - - -	29 50	81 27 W.	72 23

From this it appears that in the higher latitudes the average difference for the same degree of mean temperature is 14° 30′, and in the lower ones 7° 30′, the mean of which is 11°. Thus the mean temperature at Stockholm, in latitude 59° 20′, is about the same as at Fort Sullivan, in latitude 44° 44′; while that at Rouen, in latitude 49° 26′, is about the same as at Fort Wolcott, in latitude 41° 20′; and at St. Augustine, in latitude 29° 50′ it is but 0.77 lower than at Grand Cairo, in latitude 30°.

JOS. LOVELL.

Washington, September, 1826.

JANUARY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Snelling	6.58	17.54	10.93	11.68	46	-25	71	3	9	1	-	2	7	9	-	-	13	11	2	5	Fair.
Fort Sullivan	15.03	20.93	17.64	17.86	40	-9	49	4	9	2	-	1	2	7	6	N.W.	14	15	-	2	Cl'dy.
Fort Howard	7.19	18.61	13.80	13.20	53	-23	76	2	3	6	-	-	-	20	-	S.W.	13	9	1	8	Fair.
Fort Crawford	8.48	23.03	13.09	14.86	57	-19	76	4	14	1	-	3	3	5	1	N.W.	15	13	-	3	"
Fort Wolcott	24.45	30.87	24.31	26.54	45	0	45	2	13	3	1	-	2	8	2	N.W.	20	6	4	1	"
Council Bluffs	13.00	29.67	20.41	21.02	59	-16	75	2	14	2	-	5	2	5	1	N.W.	22	5	-	4	"
Fort Columbus	21.00	33.45	23.96	26.17	60	-1	61	-	15	1	-	1	7	7	-	N.W.	19	11	1	-	"
Fort Severn	25.80	33.32	28.74	29.28	44	8	36	4	11	2	2	3	2	3	4	N.W.	17	6	5	3	"
Fort Johnston	46.64	54.25	50.09	50.32	58	26	32	16	4	1	3	-	3	1	3	N.	17	4	9	1	"
Baton Rouge	48.03	58.03	51.06	52.37	70	30	40	-	-	-	4	14	-	4	9	S.E.	18	5	8	-	"
Canton, Clinch	46.57	58.83	50.16	51.85	70	22	48	1	4	15	1	3	-	6	1	N.E.	22	3	6	-	"

FEBRUARY.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Snelling	13.50	26.53	19.75	19.92	46	-20	66	3	7	-	1	2	6	8	1	S.W.	19	-	-	9	Fair.
Fort Sullivan	18.75	26.57	23.64	22.98	46	1	45	6	9	1	-	-	4	8	-	N.W.	16	7	2	3	"
Fort Howard	13.67	30.21	20.32	21.40	52	-20	72	-	-	7	-	-	-	19	2	S.W.	13	8	1	6	"
Fort Crawford	16.89	32.75	21.57	23.73	60	-18	78	1	12	-	-	4	4	4	3	N.W.	17	9	1	1	"
Fort Wolcott	29.45	37.87	28.14	31.82	55	15	40	3	9	1	-	2	1	12	-	S.W.	15	4	3	6	"
Council Bluffs	30.36	45.00	23.25	32.87	60	-4	64	-	13	2	-	4	-	7	2	N.W.	20	3	1	4	"
Fort Columbus	23.67	37.96	27.85	29.82	68	10	58	1	14	1	-	-	4	8	-	N.W.	18	9	-	1	"
Fort Severn	29.28	40.85	35.28	35.13	66	16	50	4	6	3	1	1	7	4	2	S.	16	6	3	3	"
Fort Johnston	49.67	55.67	53.57	52.97	64	40	24	12	1	1	1	-	1	3	9	N.	14	5	8	1	"
Baton Rouge	40.78	60.14	48.21	49.71	72	28	44	2	9	2	1	8	-	5	1	N.W.	21	3	4	-	"
Canton. Clinch	44.35	60.17	49.50	51.34	70	26	44	1	2	8	2	2	1	11	1	S.W.	19	1	8	-	"

MARCH.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Snelling	31.29	45.87	35.03	37.39	63	14	49	1	14	3	1	3	3	1	5	N.W.	19	4	3	5	Fair.
Fort Sullivan	26.96	38.35	32.51	32.60	55	10	45	4	7	1	3	-	4	5	7	-	23	7	1	-	"
Fort Howard	28.06	43.48	33.06	34.87	71	11	60	-	-	12	1	-	-	14	4	S.W.	19	6	2	4	"
Fort Crawford	30.48	49.00	34.55	38.01	69	14	55	1	13	2	-	6	2	3	4	N.W.	22	6	1	2	"
Fort Wolcott	34.12	45.93	35.29	38.44	55	25	30	3	10	2	-	3	3	9	1	N.W.	22	4	3	2	"
Council Bluffs	36.42	55.22	42.80	44.81	80	18	62	11	7	1	-	2	1	7	2	N.	20	5	3	3	"
Fort Columbus	34.77	53.38	38.32	42.15	76	22	54	-	13	-	-	3	4	11	-	N.W.	23	8	-	-	"
Fort Severn	39.80	53.54	45.45	46.26	74	26	48	3	11	3	1	3	5	4	1	N.W.	22	6	2	1	"
Fort Johnston	57.58	63.06	60.67	60.43	72	42	30	11	5	2	2	2	4	2	3	N.	18	7	6	-	"
Baton Rouge	56.29	69.54	60.32	62.05	83	38	45	5	3	4	5	2	7	3	2	S.	14	6	11	-	"
Canton. Clinch	55.48	67.93	61.00	61.47	77	40	37	2	-	11	2	3	1	11	1	-	15	4	12	-	"

APRIL.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Snelling	38.76	52.03	40.46	43.75	83	22	61	4	4	4	3	2	2	5	6	W.	14	7	3	6	Fair.
Fort Sullivan	33.80	41.00	36.73	37.17	61	21	40	5	3	2	5	1	7	2	5	S.	12	15	2	1	Cl'dy.
Fort Howard	35.16	48.86	39.53	41.18	75	17	58	-	-	14	-	-	2	13	1	N.E.	11	9	3	7	Fair.
Fort Crawford	35.90	54.23	41.86	43.99	81	20	61	2	8	4	2	3	3	5	3	N.W.	16	10	2	2	"
Fort Wolcott	46.10	53.00	43.26	47.45	67	31	36	5	2	3	3	4	2	8	3	S.W.	14	6	10	-	"
Council Bluffs	41.66	59.03	47.26	49.31	89	22	67	6	7	4	1	3	1	3	5	N.W.	15	4	7	4	"
Fort Columbus	44.90	65.83	46.33	52.35	84	24	60	1	5	3	-	2	9	10	-	S.W.	18	8	4	-	"
Fort Severn	49.33	62.50	53.33	55.05	88	32	56	1	8	4	1	2	10	1	3	S.	18	4	8	-	"
Fort Johnston	64.83	68.03	67.33	66.73	76	51	25	10	-	2	2	2	11	-	3	S.	19	8	3	-	"
Baton Rouge	61.93	77.20	64.86	67.99	86	48	38	3	2	1	1	3	13	3	4	S.	23	5	2	-	"
Canton. Clinch	62.16	74.10	70.22	68.82	77	52	25	2	2	1	-	7	1	17	-	S.W.	19	1	10	-	"

MAY.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Snelling	55.19	69.83	58.83	61.28	84	43	41	3	4	5	3	5	2	5	4	-	16	5	10	-	Fair.
Fort Sullivan	45.58	58.93	46.96	50.49	74	36	38	-	10	-	2	-	10	6	3	-	22	8	1	-	"
Fort Howard	54.25	70.74	58.48	61.15	86	38	48	1	-	11	2	1	1	14	1	S.W.	13	8	10	-	"
Fort Crawford	51.38	70.09	60.00	60.45	84	39	45	1	9	1	-	10	4	6	-	S.E.	17	7	7	-	"
Fort Wolcott	59.48	65.12	55.19	59.93	77	44	33	2	3	2	-	4	5	14	1	S.W.	21	4	6	-	"
Council Bluffs	57.70	73.29	60.77	63.92	94	40	54	10	4	4	1	5	1	6	-	N.	14	3	14	-	-
Fort Columbus	56.93	72.09	61.03	63.35	84	34	50	-	5	2	-	3	12	7	2	S.	22	7	2	-	Fair.
Fort Severn	61.29	73.51	66.48	67.09	88	48	40	1	3	3	3	7	13	-	1	S.	22	3	6	-	"
Fort Johnston	72.61	76.90	74.54	74.68	82	62	20	11	-	-	3	-	14	-	3	S.	21	6	4	-	"
Baton Rouge	72.58	84.83	77.09	78.16	99	64	35	1	1	2	2	7	11	5	2	S.	18	3	10	-	"
Cantonment Clinch	74.44	80.52	78.40	77.78	87	65	22	-	1	2	2	8	4	14	-	S.W.	23	-	8	-	"

JUNE.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Snelling	66.26	76.60	67.73	70.19	89	54	35	3	9	5	4	4	2	2	1	N.W.	10	6	14	-	Rain.
Fort Sullivan	53.56	66.40	54.03	57.99	78	46	32	3	5	-	4	1	12	1	4	S.	23	5	2	-	Fair.
Fort Howard	57.86	77.50	64.10	66.48	92	48	44	-	-	10	-	-	1	19	-	S.W.	11	8	11	-	-
Fort Crawford*	62.40	76.68	68.68	69.25	89	50	39	-	6	-	1	6	2	2	2	-	8	6	5	-	Fair.
Fort Wolcott	66.70	72.80	62.33	67.27	77	52	25	3	3	-	-	4	5	14	1	S.W.	15	5	10	-	"
Council Bluffs	69.86	79.33	72.86	74.01	100	59	41	9	3	1	-	7	4	5	1	N.	17	1	12	-	"
Fort Columbus	65.33	81.76	64.83	70.64	98	58	40	1	1	2	1	6	6	9	4	S.W.	23	6	1	-	"
Fort Severn	68.50	78.63	72.36	73.16	90	60	30	2	2	7	1	2	13	1	2	S.	19	6	5	-	"
Fort Johnston	76.23	79.26	80.73	78.74	90	73	17	6	-	-	3	2	12	-	7	S.	19	6	5	-	"
Baton Rouge	82.53	89.43	82.46	84.80	97	72	25	3	2	3	-	6	4	10	2	S.W.	23	-	7	-	"
Canton. Clinch	82.10	88.00	82.40	84.16	93	79	14	-	-	1	-	4	5	17	3	S.W.	23	-	7	-	"

* Report only to 19th inclusive.

JULY.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Snelling	70.33	83.55	72.55	75.47	92	60	32	1	7	6	3	1	1	4	4	N.W.	21	2	8	-	Fair.
Fort Sullivan	59.22	73.29	54.51	62.34	82	50	32	4	5	-	4	1	13	-	4	S.	17	11	3	-	"
Fort Howard	66.83	80.74	69.90	72.45	92	62	30	-	-	15	-	-	-	16	-	S.W.	20	4	7	-	"
Fort Crawford*	65.21	83.25	72.54	73.66	94	57	37	-	12	-	-	4	4	4	-	N.W.	18	4	2	-	"
Fort Wolcott	72.87	79.45	69.74	74.35	86	63	23	3	2	-	-	2	5	19	-	S.W.	18	5	8	-	"
Council Bluffs	72.00	91.06	75.80	79.62	108	65	43	7	1	6	-	11	2	4	-	S.E.	29	2	-	-	"
Fort Columbus	72.58	86.74	75.87	78.39	100	62	38	-	9	1	-	2	10	9	-	S.	23	3	5	-	"
Fort Severn	75.67	84.03	79.35	79.68	92	72	20	5	4	4	2	1	7	4	4	S.	25	1	5	-	"
Fort Johnston	79.45	83.87	80.87	81.39	86	75	11	4	1	-	-	-	13	5	8	S.	15	10	6	-	"
Baton Rouge	78.32	84.80	80.48	81.20	92	74	18	7	2	-	2	2	2	6	19	W.	17	-	14	-	"
Canton, Clinch	79.70	85.29	80.64	81.87	91	74	17	-	2	2	2	6	1	16	2	S.W.	11	-	20	-	Rain.

* No report from the 1st to the 7th inclusive.

AUGUST.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Snelling	66.74	81.74	69.83	72.77	89	56	33	7	1	-	1	4	7	4	7	-	21	-	10	-	Fair:
Fort Sullivan	57.45	73.00	56.19	62.24	88	52	36	4	4	4	1	1	12	2	3	S.	22	8	1	-	"
Fort Howard	64.51	76.77	67.51	69.59	89	32	27	-	-	13	-	-	1	17	-	S.W.	15	5	11	-	"
Fort Crawford	63.80	84.64	68.67	72.70	92	51	41	-	10	1	-	8	6	4	2	N.W.	17	8	6	-	"
Fort Wolcott	70.09	76.03	66.29	70.80	85	63	22	4	3	6	-	4	2	12	-	S.W.	20	4	7	-	"
Council Bluffs	70.00	87.96	73.87	77.27	104	61	43	3	3	1	-	5	9	10	-	S.W.	26	5	-	-	"
Fort Columbus	69.09	83.93	70.93	74.65	94	60	34	-	9	1	-	6	14	1	-	S.	25	2	4	-	"
Fort Severn	73.64	80.90	77.16	77.23	89	69	20	5	1	4	4	8	3	4	2	S.E.	27	-	4	-	"
Fort Johnston	79.67	82.48	79.64	80.59	87	70	17	13	1	-	-	-	9	4	4	N.	14	5	12	-	"
Baton Rouge	77.41	86.35	79.45	81.07	90	76	14	4	3	3	2	5	8	5	1	S.	21	-	10	-	"
Canton. Clinch	79.25	85.06	82.35	82.22	89	77	12	-	4	8	-	5	2	12	-	S.W.	16	-	15	-	"

SEPTEMBER.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Snelling	53.83	70.60	57.33	60.58	83	35	48	4	5	2	1	1	6	6	5	-	20	4	6	-	Fair.
Fort Sullivan	54.06	68.72	54.66	58.48	76	36	40	1	5	1	-	-	15	2	6	S.	19	11	-	-	"
Fort Howard	51.46	66.36	59.73	59.18	80	40	40	2	-	6	-	-	1	19	2	S.W.	12	8	10	-	"
Fort Crawford	52.10	72.03	59.36	61.16	86	37	49	-	15	1	-	7	3	4	-	N.W.	21	5	4	-	"
Fort Wolcott	67.06	74.20	64.50	68.58	80	51	29	2	4	-	-	7	3	13	1	S.W.	22	3	5	-	"
Council Bluffs	58.70	79.80	64.93	67.81	93	48	45	4	7	2	-	1	6	10	-	S.W.	25	3	2	-	"
Fort Columbus	71.06	76.06	65.54	70.88	89	50	39	-	-	1	2	12	5	7	3	S.E.	24	-	6	-	"
Fort Severn	69.06	76.00	72.02	72.36	86	60	26	6	2	1	2	9	8	1	1	S.E.	23	2	5	-	"
Fort Johnston	71.23	79.80	77.33	76.12	86	67	19	7	3	2	2	-	7	2	7	-	15	8	7	-	"
Baton Rouge	70.26	83.30	74.90	76.15	91	58	33	5	2	3	6	2	4	5	3	E.	27	1	2	-	"
Canton. Clinch	72.86	85.46	75.46	77.92	93	64	29	4	7	1	-	15	2	-	1	S.E.	24	-	6	-	"

OCTOBER.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Snelling	35.77	50.70	41.22	42.56	80	15	65	9	9	3	-	3	-	5	2	-	23	4	1	3	Fair.
Fort Sullivan	42.09	54.03	43.93	46.68	66	24	42	2	8	1	3	2	5	4	6	N.W.	20	8	3	-	"
Fort Howard	37.54	52.35	40.54	43.47	77	17	60	-	2	8	-	-	-	13	8	S.W.	8	18	3	2	Cl'dy.
Fort Crawford	37.74	53.00	42.38	44.37	81	12	69	3	11	2	-	9	-	2	4	N.W.	20	9	2	-	Fair.
Fort Wolcott	51.61	62.25	53.64	55.83	73	36	47	4	5	7	-	1	2	9	3	S.W.	17	6	8	-	"
Council Bluffs	39.03	59.06	49.31	49.13	83	22	61	4	6	2	-	4	4	11	-	S.W.	24	5	2	-	"
Fort Columbus	55.32	65.00	57.00	59.10	86	37	49	2	3	4	4	4	6	2	6	-	23	4	4	-	"
Fort Severn	59.67	65.06	59.93	61.55	80	44	36	2	10	3	3	1	8	3	1	N.W.	18	5	8	-	"
Fort Johnston	67.09	74.00	71.29	70.79	84	51	33	9	4	1	2	1	2	1	11	W.	22	3	6	-	"
Baton Rouge	59.74	73.87	67.41	66.67	85	46	39	8	4	5	4	3	1	5	1	N.	26	4	1	-	"
Cant. Clinch	64.00	78.83	66.80	69.87	88	46	42	9	6	2	1	8	2	2	1	N.	24	2	5	-	"

NOVEMBER.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Snelling	24.96	37.60	29.20	30.58	63	-23	86	3	13	7	2	3	2	-	-	N.W.	17	4	4	5	Fair.
Fort Sullivan	33.66	41.43	36.00	37.03	58	15	47	7	6	3	1	1	3	5	4	N.	17	7	6	-	„
Fort Howard	36.26	40.76	31.96	36.32	58	0	58	-	-	16	-	-	1	12	1	N.E.	3	14	4	9	Cl'dy.
Fort Crawford	27.70	42.23	32.86	34.26	63	-12	75	1	11	3	-	6	2	1	6	N.W.	18	7	2	3	Fair.
Fort Wolcott	44.66	52.96	46.23	47.95	64	29	35	5	5	4	1	2	1	11	1	S.W.	15	9	6	-	„
Council Bluffs	28.46	43.80	33.76	35.34	66	-6	72	8	5	5	-	3	4	5	-	N.	18	10	2	-	„
Fort Columbus	43.90	54.36	46.90	48.38	71	33	38	2	3	3	-	7	5	6	4	S.E.	19	1	9	1	„
Fort Severn	51.76	57.20	52.50	53.82	68	40	28	2	6	8	1	-	4	-	2	N.E.	17	4	9	-	„
Fort Johnston	62.83	69.83	67.43	66.69	79	52	27	5	5	2	3	3	4	-	8	W.	18	11	1	-	„
Baton Rouge	58.43	69.10	63.30	63.94	80	42	38	5	4	2	4	4	7	3	1	S.	18	10	2	-	„
Canton. Clinch	61.06	72.66	63.86	65.86	80	40	40	5	3	3	2	14	1	1	1	S.E.	17	-	13	-	„

DECEMBER.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Snelling	-3.61	10.25	3.16	3.26	46	-29	75	4	16	1	2	1	1	5	1	N.W.	27	-	-	4	Fair.
Fort Sullivan	22.09	28.29	23.54	24.64	56	-4	60	4	11	-	1	1	3	1	10	N.W.	16	13	1	1	"
Fort Howard	4.06	14.96	9.19	9.37	44	-20	64	-	-	7	-	-	-	22	2	S.W.	10	16	1	4	Cl'dy.
Fort Crawford	1.32	12.09	5.19	9.53	47	-22	69	3	15	-	-	3	-	5	5	N.W.	21	7	-	3	Fair.
Fort Wolcott	32.61	38.45	32.35	34.47	62	12	50	5	10	3	-	1	-	5	7	N.W.	17	6	4	4	"
Council Bluffs	7.41	19.93	11.06	12.80	55	-17	72	10	6	7	-	6	-	2	-	N.	24	7	-	-	"
Fort Columbus	30.74	37.55	35.32	34.53	63	13	50	-	7	3	-	5	1	10	5	S.W.	17	5	4	5	"
Fort Severn	36.96	40.74	37.83	38.51	60	16	44	2	8	6	3	3	3	1	5	N.W.	12	11	1	7	"
Fort Johnston	52.00	58.16	54.70	54.95	73	32	41	6	5	1	1	2	10	2	4	S.	9	11	11	-	-
Baton Rouge	48.16	54.90	52.25	51.77	74	18	56	12	4	5	1	4	1	3	1	N.	16	12	3	-	Fair.
Canton, Clinch	52.19	59.45	51.74	54.49	76	20	56	10	3	7	10	1	-	-	-	-	11	3	17	-	Rain.

FOR THE YEAR.

PLACES OF OBSERVATION.	Latitude.	Longitude.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow Days.	Prevailing.
Fort Snelling	44°53′	93°08′	38.90	51.90	42.17	44.32	92	−29	121	4.00	8.17	3.09	1.75	2.59	3.25	4.50	3.00	N.W.	18.34	3.92	5.08	3.08	Fair.
Fort Sullivan	44 44	67 04	38.54	49.24	40.03	42.47	88	−9	97	3.67	6.83	1.25	2.00	0.75	7.50	3.58	4.84	S.	18.41	9.58	1.83	0.59	„
Fort Howard	44 40	87 00	38.09	51.50	44.01	44.53	92	−23	115	0.42	0.42	10.42	0.25	0.08	0.58	16.50	1.75	S.W.	12.33	9.42	5.34	3.34	„
Fort Crawford	43 03	90 53	37.78	54.42	43.40	45.20	94	−22	116	1.33	11.33	1.25	0.25	5.75	2.75	3.75	0.25	N.W.	17.50	7.58	2.66	1.16	„
Fort Wolcott	41 30	71 18	49.97	57.43	48.44	51.94	86	0	86	3.42	5.75	2.58	0.42	2.83	2.58	11.17	1.67	S.W.	18.00	5.17	6.17	1.08	„
Council Bluffs	41 25	95 43	43.72	60.01	48.01	50.58	108	−17	125	6.17	6.33	3.08	0.17	4.67	2.83	6.25	0.92	N.W.	21.17	4.42	3.58	1.25	„
Fort Columbus	40 42	74 02	49.52	62.34	51.15	54.33	100	−1	101	0.58	7.00	1.83	0.58	4.25	6.93	7.25	2.00	S.W.	21.17	5.33	3.33	0.59	„
Fort Severn	38 58	76 27	53.40	62.11	56.70	57.40	92	8	84	3.08	6.00	4.00	2.00	3.33	6.91	2.16	2.33	S.W.	19.67	4.50	5.08	1.17	„
Fort Johnston	34 00	78 05	64.99	70.44	68.16	67.86	90	26	64	9.17	2.42	1.00	1.83	1.00	7.50	1.67	5.83	N.	16.75	7.00	6.50	0.17	„
Fort Moultrie	32 42	79 56	60.22	64.12	61.40	61.91	86	19	67	1.78	1.56	6.22	2.34	5.78	6.89	4.67	1.12	S.	21.44	2.44	6.44	-	„
Baton Rouge	30 26	91 18	62.87	74.54	66.82	68.07	99	18	81	4.58	3.00	2.50	2.67	5.00	4.84	4.75	3.08	S.E.	20.16	4.08	6.16	-	„
Cant. Clinch	30 24	87 14	64.51	74.69	67.71	68.97	93	20	73	2.83	2.83	5.08	1.83	6.34	1.67	8.92	0.92	S.W.	18.66	1.16	10.58	-	„

JANUARY.

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	16.24	30.24	19.84	22.10	52	−6	58	3	2	1	5	4	4	1	5	-	8	4	1	12	Snow.
Fort Sullivan	17.54	24.90	20.64	21.02	42	−10	52	9	6	2	3	-	3	-	8	N.	15	12	0	4	Fair.
Fort Howard	14.70	24.90	19.64	19.74	42	−21	63	-	-	12	-	-	-	18	1	S.W.	6	18	-	7	Cl'dy.
Fort Wolcott	27.79	35.09	28.83	27.23	48	7	41	4	11	4	-	1	-	9	2	N.W.	12	12	5	2	„
Council Bluffs	16.29	29.87	20.96	22.37	54	−8	62	6	8	4	-	9	1	3	-	S.E.	27	4	-	-	Fair.
Fort Columbus	27.50	35.80	30.35	31.21	54	12	42	3	13	6	-	-	2	3	4	N.W.	20	-	6	5	„
Fort Mifflin	28.77	35.93	31.16	31.95	44	16	28	2	11	8	-	-	2	4	4	N.W.	17	10	4	-	„
Washington city	40.25	44.54	40.32	41.37	57	28	29	3	3	3	3	6	-	10	3	S.W.	17	6	6	2	„
Fort Johnston	49.16	55.35	51.93	52.14	68	40	28	10	4	-	-	-	6	3	8	N.	15	11	4	1	„
Fort Moultrie	45.87	51.35	48.48	48.56	66	22	44	4	3	14	-	3	1	6	-	N.E.	22	4	5	-	„
Canton. Jesup	48.00	55.00	50.00	51.00	76	22	54	8	4	2	6	3	-	4	4	N.	16	8	7	-	„
Canton. Clinch	47.67	59.69	52.12	53.16	74	23	51	7	4	2	5	6	1	3	3	N.	20	5	6	-	„

FEBRUARY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	3.82	16.21	8.39	9.47	24	–30	54	2	8	1	3	8	2	-	4	-	12	7	1	8	Fair.
Fort Sullivan	13.00	22.53	16.38	17.30	34	–7	41	3	15	1	3	1	-	-	5	N.W.	18	7	-	3	"
Fort Howard	14.17	19.25	12.10	15.17	40	–38	78	1	-	8	1	-	-	18	-	N.W.	11	10	-	7	"
Fort Wolcott	22.82	31.85	24.85	26.50	48	2	46	2	18	4	1	1	-	2	-	N.W.	7	13	4	4	Cl'dy.
Council Bluffs	8.82	23.57	15.82	16.07	57	–16	73	-	17	1	-	1	1	3	5	N.W.	19	9	-	-	Fair.
Fort Columbus	21.21	30.71	23.96	25.29	48	3	45	4	10	5	-	2	1	3	3	N.W.	15	5	3	5	"
Fort Mifflin	23.00	30.57	26.28	26.61	48	6	42	2	14	6	-	1	-	2	3	N.W.	17	10	-	1	"
Washington city	31.25	39.42	34.78	35.15	62	18	44	1	12	3	1	5	-	6	-	N W.	10	8	6	4	"
Fort Johnston	44.71	47.75	47.21	46.55	64	28	36	10	6	-	1	1	4	-	6	N.	18	5	4	1	"
Fort Moultrie	41.35	45.25	42.60	43.06	57	19	38	6	4	4	-	5	3	6	-	N.&S.W.	21	2	4	1	"
Canton. Jesup	35.00	51.00	44.00	43.33	78	7	71	-	2	2	4	8	2	5	5	S.E.	18	6	4	-	"
Canton. Clinch	43.92	58.89	48.68	50.49	78	11	67	5	9	3	2	2	3	3	1	N.W.	20	1	7	-	"

MARCH.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'y.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	11.74	31.45	18.25	20.48	54	-29	83	3	4	-	2	11	4	-	7	S.E.	17	-	1	13	Fair.
Fort Sullivan	24.87	34.74	27.12	28.91	51	-7	58	4	7	1	2	1	8	2	6	S.	12	12	2	5	-
Fort Howard	18.00	34.35	25.61	25.98	54	-21	75	1	-	14	-	-	-	15	1	S.W.	12	11	1	7	Fair.
Fort Wolcott	33.83	41.38	33.96	36.39	53	6	47	4	7	6	1	4	-	6	3	N.W.	10	12	5	4	Cl'dy.
Council Bluffs	31.35	47.41	37.87	38.87	66	19	47	-	15	1	1	7	1	3	3	N.W.	18	13	-	-	Fair.
Fort Columbus	31.39	42.45	35.32	36.38	63	3	60	1	7	4	4	2	1	7	5	-	21	-	5	5	"
Fort Mifflin	35.32	46.22	35.80	39.11	58	12	46	1	5	6	1	-	2	7	9	W.	14	10	4	3	"
Washington city	43.22	53.06	45.96	47.41	67	29	38	3	8	3	1	4	-	11	1	S.W.	18	3	8	2	"
Fort Johnston	55.58	61.38	59.19	58.71	73	36	37	9	5	1	-	-	8	2	6	N.	18	6	7	-	"
Fort Moultrie	54.38	59.70	57.19	57.09	65	35	30	1	1	9	1	14	1	2	2	S.E.	24	2	5	-	"
Canton. Jesup	54.00	68.00	60.00	60.66	78	42	36	-	-	4	5	4	2	8	8	-	16	4	11	-	"
Cant. Clinch	58.12	69.35	62.77	63.41	78	36	42	1	5	-	3	9	2	10	1	S.W.	19	1	11	-	"

APRIL.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	31.46	52.86	34.76	39.69	68	8	60	3	2	-	2	12	1	3	7	S.E.	18	-	10	2	Fair.
Fort Sullivan	34.80	46.06	36.20	39.02	60	17	43	2	7	3	3	-	6	7	2	-	18	8	4	-	"
Fort Howard	37.93	50.23	39.66	42.60	76	5	71	-	-	17	-	-	-	13	-	N.E.	9	9	10	2	Rain.
Fort Wolcott	43.20	51.70	42.50	45.80	62	30	32	1	4	2	1	7	3	9	3	S.W.	13	11	3	3	Fair.
Council Bluffs	45.76	66.73	52.63	55.04	90	28	62	-	7	2	2	7	4	4	4	-	21	8	1	-	"
Fort Columbus	44.43	57.43	46.96	49.60	76	30	46	-	5	5	1	9	3	6	1	S.E.	19	2	9	-	"
Fort Mifflin	50.80	62.26	54.26	55.77	80	34	46	2	6	6	3	1	2	7	3	S.W.	17	8	5	-	"
Washington city	55.60	65.33	58.16	59.69	76	43	33	2	6	7	2	2	-	11	-	S.W.	16	4	10	-	"
Fort Johnston	64.46	70.23	67.20	67.29	79	52	27	10	1	-	1	-	14	-	4	S.	19	6	5	-	"
Fort Moultrie	64.50	67.03	64.56	65.36	76	57	19	1	1	9	6	5	3	3	2	N.E.	28	2	-	-	"
Cant. Jesup	66.22	77.36	71.13	71.57	84	56	28	1	3	3	1	6	-	11	5	S.W.	15	7	8	-	"
Canton. Clinch	67.14	76.41	68.32	70.62	80	53	27	-	1	1	-	17	-	11	-	S.E.	15	11	4	-	"

MAY.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	40.38	57.58	42.92	46.96	76	29	47	3	8	3	4	6	-	1	6	N.W.	16	-	15	-	Fair.
Fort Sullivan	43.58	55.29	43.96	47.61	70	32	38	2	5	4	2	2	8	2	6	S.	21	5	5	-	"
Fort Howard	44.67	62.54	49.48	52.23	76	30	46	-	-	16	-	-	-	14	1	N.E.	20	8	3	-	"
Fort Wolcott	52.96	60.32	51.03	54.77	83	39	44	6	5	1	1	3	2	7	6	S.W.	8	16	7	-	Cl'dy.
Council Bluffs	54.80	70.90	59.77	61.82	88	46	42	-	3	2	4	5	5	5	7	W.	21	6	4	-	Fair.
Fort Columbus	54.77	65.96	55.87	58.86	90	39	51	-	9	6	-	7	5	1	3	N.W.	15	7	9	-	"
Fort Mifflin	61.67	68.96	60.90	63.84	89	40	49	1	8	7	1	5	-	5	4	N.W.	21	7	3	-	"
Washington city	62.77	72.00	64.70	66.49	90	50	40	5	4	1	2	3	4	12	-	S.W.	17	4	10	-	"
Fort Johnston	71.93	76.83	73.83	74.19	86	62	24	7	4	-	-	1	17	2	-	S.	21	3	7	-	"
Fort Moultrie	74.25	76.38	74.74	75.12	82	66	16	5	-	5	3	7	5	4	2	S.E.	26	2	3	-	"
Cant. Jesup	70.41	83.22	77.67	77.10	90	60	30	-	1	2	3	10	3	6	6	S.E.	20	3	8	-	"
Canton. Clinch	75.42	84.50	78.17	79.36	92	60	32	-	3	1	-	5	-	22	-	S.W.	23	5	3	-	"

JUNE.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	50.36	75.66	53.30	59.77	90	31	59	1	3	1	4	5	6	2	8	W.	14	8	8	-	Fair.
Fort Sullivan	49.53	63.96	50.70	54.73	84	39	45	1	9	1	1	1	13	2	2	S.	19	10	1	-	„
Fort Howard	57.80	76.73	63.52	66.01	100	32	68	1	3	13	-	-	-	11	2	N.E.	20	7	3	-	„
Fort Wolcott	62.83	69.70	60.90	64.47	83	48	35	5	3	3	-	3	1	14	1	S.W.	17	8	5	-	„
Council Bluffs	72.33	90.03	74.63	78.99	102	59	43	-	-	1	6	5	14	2	2	S.	23	5	2	-	„
Fort Columbus	64.83	77.96	64.06	68.95	90	52	38	-	5	5	-	12	6	1	1	S.E.	23	1	6	-	„
Fort Mifflin	72.06	83.46	70.16	75.22	96	50	46	-	4	2	5	9	2	6	2	S.E.	21	6	3	-	„
Washington city	68.76	79.36	71.70	73.27	93	58	35	1	1	7	3	4	2	12	-	S.W.	16	4	10	-	„
Fort Johnston	74.73	79.60	76.45	76.92	84	66	18	6	2	-	-	1	16	3	2	S.	17	7	6	-	„
Fort Moultrie	75.86	78.20	73.86	75.97	84	69	15	-	-	12	3	10	4	1	-	N.E.	18	6	6	-	„
Cant. Jesup	73.66	82.06	77.90	77.87	91	72	19	1	-	2	7	4	2	12	2	S.W.	16	-	14	-	„
Canton. Clinch	75.08	84.58	79.52	79.72	92	70	22	-	4	2	-	16	-	8	-	S.E.	7	15	8	-	Cl'dy.

JULY.

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	60.51	78.79	65.96	68.44	90	50	40	2	6	-	2	6	-	3	12	W.	15	4	12	-	Fair.
Fort Sullivan	58.22	70.75	59.06	62.67	88	50	38	-	3	1	4	-	18	1	4	S.	20	8	3	-	"
Fort Howard	65.12	81.32	68.77	71.73	94	50	44	-	-	12	-	-	-	19	-	S.W.	13	8	10	-	"
Fort Wolcott	69.22	75.58	67.77	70.85	82	56	26	2	2	-	1	3	5	18	-	S.W.	14	8	9	-	"
Council Bluffs	72.19	89.70	75.12	79.00	100	64	36	-	1	-	9	6	15	-	-	S.	29	-	2	-	"
Fort Columbus	70.45	83.00	71.43	74.96	91	60	31	-	3	2	1	7	5	7	6	-	25	-	6	-	"
Fort Mifflin	80.19	87.03	79.35	82.19	94	66	28	-	2	8	3	9	1	7	1	S.E.	23	4	4	-	"
Washington city	75.41	83.06	76.16	78.21	91	65	26	3	7	4	-	5	1	11	-	S.W.	15	7	9	-	"
Fort Johnston	78.83	83.22	80.45	80.83	88	72	16	5	-	-	-	1	22	-	3	S.	15	11	5	-	"
Fort Moultrie	80.16	82.92	80.45	81.17	89	75	14	-	-	4	1	11	5	8	2	S.E.	23	1	7	-	"
Cant. Jesup	78.35	88.03	82.74	83.04	94	74	20	-	-	-	2	5	8	10	6	S.W.	14	4	13	-	"
Canton. Clinch	78.09	86.51	81.16	81.92	94	74	20	-	4	2	-	7	-	18	-	S.W.	17	4	10	-	"

AUGUST.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	56.87	73.83	61.83	64.17	88	42	46	1	3	-	1	4	2	3	17	W.	15	5	11	-	Fair.
Fort Sullivan	58.00	71.90	56.77	62.22	90	52	38	1	5	2	-	-	16	5	2	S.	20	10	1	-	"
Fort Howard	64.22	76.19	66.87	69.09	86	54	32	-	-	13	-	-	-	17	1	S.W.	16	7	8	-	"
Fort Wolcott	69.58	75.77	67.90	71.08	81	60	21	-	2	1	2	5	6	15	-	S.W.	14	9	8	-	"
Council Bluffs	67.09	88.87	74.16	76.70	100	54	46	8	-	-	7	1	12	-	3	S.	29	2	-	-	"
Fort Columbus	69.50	81.00	69.80	73.43	90	60	30	1	3	3	3	3	10	4	4	S.	24	-	7	-	"
Fort Mifflin	74.77	84.64	77.03	78.81	94	60	34	-	5	5	1	9	-	11	-	S.W.	21	5	5	-	"
Washington city	73.48	81.64	74.90	76.67	92	63	29	3	6	4	2	1	1	14	-	S.W.	19	2	10	-	"
Fort Johnston	77.41	82.12	80.22	79.91	85	70	15	5	2	-	3	-	20	-	1	S.	15	7	9	-	"
Fort Moultrie	77.87	82.00	79.64	79.83	84	72	12	-	-	4	7	14	4	2	-	S.E.	26	-	5	-	"
Cant. Jesup	75.58	90.19	83.87	83.21	94	72	22	-	-	4	4	11	4	3	5	S.E.	19	5	7	-	"
Canton. Clinch	77.58	85.45	81.25	81.42	92	72	20	-	4	1	1	11	-	13	-	S.W.	17	3	11	-	"

SEPTEMBER.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	47.96	60.43	51.23	53.20	74	31	43	4	2	-	2	7	2	1	12	W.	9	1	16	4	Rain.
Fort Sullivan	50.00	63.53	51.40	54.97	80	33	47	2	8	2	1	2	10	-	5	S.	22	6	2	-	Fair.
Fort Howard	47.44	62.30	50.63	53.45	80	24	56	1	-	10	2	-	-	16	1	S.W.	21	4	5	-	"
Fort Wolcott	59.76	70.06	58.03	62.61	77	40	37	4	5	9	-	4	3	5	-	N.E.	14	12	4	-	"
Council Bluffs	62.76	74.43	63.30	66.83	92	47	45	-	-	4	7	4	8	3	4	S.	17	11	2	-	"
Fort Columbus	60.26	70.40	61.63	64.09	90	45	45	-	9	8	2	8	1	2	-	N.W.	19	-	11	-	"
Fort Mifflin	71.66	76.93	71.13	73.27	84	56	28	1	7	17	-	5	-	-	-	N.E.	17	6	7	-	"
Washington city	65.40	73.40	66.46	68.42	87	42	45	5	5	12	2	1	-	5	-	N.E.	13	8	9	-	"
Fort Johnston	73.63	78.70	75.36	75.89	86	61	25	9	-	1	3	1	12	-	4	S.	19	5	6	-	"
Fort Moultrie	75.06	78.43	75.80	76.43	86	60	26	1	-	6	4	10	5	4	-	S.E.	23	2	5	-	"
Cant. Jesup	69.40	82.33	76.13	75.95	90	58	32	1	2	2	10	8	2	3	2	E.	15	7	8	-	"
Canton. Clinch	74.30	81.40	78.00	77.90	90	60	30	-	3	7	2	9	-	9	-	-	19	4	7	-	"

OCTOBER.

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E	E.	S.E.	S:	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	38.22	49.22	40.05	42.49	76	26	50	2	6	1	-	5	9	1	7	S.	12	-	14	5	Rain.
Fort Sullivan	43.74	52.87	45.48	47.36	66	30	36	3	6	4	1	-	10	3	4	S.	17	10	4	-	Fair.
Fort Howard	37.70	49.93	40.06	42.56	74	16	58	-	-	9	-	-	-	21	1	S.W.	17	9	3	2	"
Fort Wolcott	50.03	57.80	49.64	52.49	72	38	34	2	11	4	-	1	2	11	-	-	13	9	9	-	"
Council Bluffs	47.38	66.80	52.90	55.69	88	13	65	12	2	-	3	1	10	1	2	N.	19	9	3	-	"
Fort Columbus	47.42	57.45	50.38	51.75	76	34	42	-	14	2	1	6	3	4	1	NW.	19	4	8	-	"
Fort Mifflin	51.54	68.32	54.96	58.27	78	34	44	-	8	8	-	5	-	6	4	-	19	10	2	-	"
Washington city	47.19	61.16	52.58	53.64	76	34	42	4	9	8	1	3	1	5	-	N.W.	19	7	5	-	"
Fort Johnston	61.61	69.35	66.77	65.91	77	48	29	9	6	1	5	-	5	1	4	N.	20	8	3	-	"
Fort Moultrie	64.54	68.25	66.00	66.26	77	52	25	2	3	8	10	2	1	3	2	E.	27	1	3	-	"
Cant. Jesup	61.58	78.06	69.80	69.81	84	50	34	-	1	3	6	8	4	5	4	S.E.	27	2	2	-	"
Cant. Clinch	62.29	76.21	68.40	68.96	84	52	32	-	4	12	1	11	2	1	-	N.E.	23	3	5	-	"

NOVEMBER.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	26.10	33.70	28.36	29.72	48	6	42	6	2	-	4	6	6	-	6	-	9	4	3	14	Snow.
Fort Sullivan	28.76	35.33	30.86	31.65	51	8	43	4	12	1	1	1	3	5	3	N.W.	17	8	5	-	Fair.
Fort Howard	26.03	37.06	26.66	29.91	56	8	48	1	-	11	-	-	1	17	-	S.W.	15	11	-	4	"
Fort Wolcott	37.33	44.93	37.26	39.84	55	20	35	4	8	6	1	-	-	8	3	N.W.	13	9	6	2	"
Council Bluffs	30.43	53.93	39.96	41.44	87	10	77	8	3	3	1	6	3	1	5	N.	22	7	-	1	"
Fort Columbus	35.00	42.07	37.63	38.23	56	22	34	2	14	6	-	-	-	4	4	N.W.	19	2	9	1	"
Fort Mifflin	35.46	57.73	34.20	42.46	72	26	46	2	6	8	-	2	2	9	1	S.W.	22	2	5	1	"
Washington city	36.30	47.26	39.70	37.75	60	24	36	4	7	8	-	1	-	9	1	S.W.	15	6	8	1	"
Fort Johnston	51.70	59.70	56.30	55.56	72	34	38	7	2	2	3	1	12	-	3	S.	17	11	2	-	"
Fort Moultrie	50.93	61.06	58.46	56.80	68	34	34	3	1	9	1	4	3	8	1	N.E.	24	4	2	-	"
Cant. Jesup	50.53	65.36	59.46	58.45	78	32	46	3	3	-	4	1	5	7	7	-	23	4	3	-	"
Canton. Clinch	49.40	64.02	53.44	55.62	80	33	47	8	6	3	3	7	1	2	-	N.	24	2	4	-	"

DECEMBER.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	16.45	24.70	17.93	19.69	51	−8	59	7	3	2	1	5	7	4	2	-	9	4	2	16	Snow.
Fort Sullivan	25.96	31.22	27.74	28.30	45	0	45	4	9	4	1	1	3	6	3	N.W.	14	9	3	5	Fair.
Fort Howard	16.96	24.87	18.35	20.06	42	−8	50	-	3	8	1	-	-	19	-	S.W.	16	8	-	7	"
Fort Wolcott	33.64	39.41	34.36	35.80	52	16	36	3	12	2	-	3	2	6	3	N.W.	15	7	5	4	"
Council Bluffs	19.29	36.22	26.93	27.48	60	0	60	10	5	3	1	4	2	5	1	N.	21	7	2	1	"
Fort Columbus	31.05	39.35	33.84	34.74	48	20	28	5	11	3	-	3	6	3	-	N.W.	21	2	3	5	"
Fort Mifflin	30.06	46.00	29.29	35.11	56	22	34	1	13	3	-	-	2	12	-	N.W.	26	1	4	-	"
Washington	32.38	42.77	36.54	37.23	59	26	33	2	10	6	-	1	1	11	-	S.W.	14	8	7	2	"
Fort Johnston	50.03	57.80	55.09	54.30	68	32	36	13	6	1	1	-	5	-	5	N.	15	12	4	-	"
Fort Moultrie	46.77	56.87	49.16	50.96	69	30	39	5	2	9	7	-	2	3	3	N.E.	25	4	2	-	"
Cant. Jesup	49.16	64.51	58.54	57.40	76	32	44	3	3	-	4	8	5	7	1	S.E.	15	9	7	-	"
Canton. Clinch	51.58	60.54	57.43	56.51	74	36	38	1	3	13	3	6	3	2	-	N.E.	16	2	13	-	"

FOR THE YEAR.

PLACES OF OBSERVATIONS.	Latitude.	Longitude.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow Days.	Prevailing.
Fort Brady	46°39′	84°43′	33.38	48.72	36.90	39.66	90	−30	120	3.08	4.08	0.75	2.50	6.41	3.58	1.58	7.75	W.	12.83	3.08	7.83	6.66	Fair.
Fort Sullivan	44 44	67 04	37.16	47.75	38.86	41.25	90	−10	100	2.91	7.66	2.16	1.82	0.75	8.16	2.75	4.16	N.W.	17.75	8.75	2.50	1.41	„
Fort Howard	44 40	87 00	37.06	49.97	40.11	42.38	100	−38	138	0.41	0.50	12.00	0.33	-	0.08	16.50	0.66	S.W.	14.66	9.16	3.58	3.00	„
Fort Wolcott	41 30	71 18	46.91	54.46	46.42	49.26	83	2	81	3.08	7.33	3.50	0.66	2.91	2.00	9.16	1.75	S.W.	12.50	10.50	5.83	1.58	„
Council Bluffs	41 25	95 43	44.04	61.53	48.67	51.41	102	−16	118	3.66	5.09	1.75	3.41	4.66	6.33	2.50	3.00	S.	22.16	6.75	1.33	0.16	„
Fort Columbus	40 42	74 02	46.48	56.88	48.43	50.59	91	3	88	1.33	8.58	4.58	1.00	4.91	3.58	3.75	2.66	N.W.	20.00	1.91	6.83	1.66	„
Fort Mifflin	39 51	75 12	51.27	62.33	52.04	55.21	96	6	90	1.00	7.41	7.00	1.16	3.83	1.08	6.33	2.58	N.W.	19.58	6.58	3.83	0.41	„
Washington c'y	38 53	76 55	52.66	61.91	55.16	56.57	93	18	75	3.00	6.50	5.50	1.41	3.00	0.83	9.75	0.41	S.W.	15.75	5.58	8.16	0.91	„
Fort Johnston	34 00	78 05	62.81	68.50	65.83	65.71	88	28	60	8.33	3.16	0.50	1.41	0.50	11.75	0.91	3.83	S.	17.41	7.66	5.16	0.16	„
Fort Moultrie	32 42	79 56	62.62	67.27	64.24	64.71	89	19	70	2.33	1.25	7.75	3.58	7.08	3.08	4.16	1.16	N.E.	23.91	2.50	3.91	0.08	„
Cant. Jesup	31 30	93 47	60.99	73.76	67.60	67.45	94	7	87	1.41	1.58	2.00	4.66	6.33	3.08	6.75	4.58	S.W.	17.83	4.91	7.66	-	„
Cant. Clinch	30 24	87 14	63.38	73.96	67.43	68.25	94	11	83	1.83	4.16	3.91	1.66	8.83	1.00	8.50	0.41	S.E.	18.33	4.66	7.41	-	„

JANUARY.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	14.38	27.00	18.48	19.95	43	-21	64	1	8	1	3	11	4	1	2	S.E.	17	-	2	12	Fair.
Fort Snelling	11.00	24.16	16.35	17.17	42	-24	66	3	8	3	1	2	3	7	4	N.W.	24	5	1	1	"
Fort Sullivan	17.06	24.67	21.00	20.91	40	-1	41	4	8	5	-	-	-	2	12	W.	17	8	2	4	"
Fort Howard	18.54	31.38	23.45	24.45	44	-2	46	1	1	8	-	-	-	20	1	S.W.	19	8	2	2	"
Fort Crawford	21.00	30.25	22.54	24.59	46	-16	62	6	8	-	-	-	11	2	4	S.	20	7	3	1	"
Fort Wolcott	31.33	37.93	31.87	33.54	48	8	40	2	10	4	1	1	1	11	1	S.W.	14	7	7	3	"
Council Bluffs	21.54	33.54	26.51	27.19	67	-21	88	12	-	4	1	6	8	-	-	N.	19	8	1	3	"
Fort Columbus	31.67	41.19	33.03	35.29	54	9	45	1	11	3	1	3	-	10	2	N.W.	17	5	6	3	"
Fort Mifflin	33.09	42.25	30.06	35.13	50	16	34	-	5	-	-	4	1	13	8	S.W.	24	2	3	2	"
Washington c'y	34.83	44.06	36.64	38.51	66	20	46	4	5	10	-	1	1	9	1	N.E.	13	11	6	1	"
Fort Johnston	51.80	59.06	55.16	55.34	72	28	44	4	4	2	3	1	15	2	-	S.	19	9	2	1	"
Fort Moultrie	48.00	60.70	50.03	52.90	71	24	47	-	2	7	5	1	2	9	5	S.W.	25	3	3	-	"
Cant. Jesup	54.00	63.61	59.35	58.98	78	32	46	1	-	3	9	2	7	7	2	E.	10	16	5	-	Cl'dy.
Cant. Clinch	52.32	57.80	56.74	55.62	77	33	44	1	11	2	1	8	1	6	1	N.W.	20	3	8	-	Fair.

FEBRUARY.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	3.24	22.44	12.27	12.65	38	-33	71	4	3	1	5	6	1	-	9	W.	13	6	1	9	Fair.
Fort Snelling	7.55	21.79	13 38	14.20	43	-27	70	4	7	7	-	2	1	8	-	S.W.	23	1	-	5	"
Fort Sullivan	17.41	25.72	20.20	21.11	47	-19	66	1	6	2	2	-	8	2	8	-	16	8	3	2	"
Fort Howard	11.31	24.90	17.65	17.95	52	-18	70	4	-	13	-	-	-	12	-	N.E.	16	8	-	5	"
Fort Crawford	12.69	29.65	18.10	20.14	51	-28	79	12	1	-	-	3	7	1	5	N.	19	6	1	3	"
Fort Wolcott	29.10	36.34	30.70	32.14	48	2	46	1	8	3	1	3	2	7	4	N.W.	16	5	6	2	"
Council Bluffs	21.24	37.37	23.79	27.46	68	-14	82	13	3	-	-	3	7	2	1	N.	21	3	-	5	"
Fort Columbus	27.06	36.93	29.86	31.28	55	2	53	1	14	1	1	3	-	9	-	N.W.	15	8	2	4	"
Fort Mifflin	29.17	41.24	27.79	32.73	56	10	46	-	7	1	-	3	2	15	1	S.W.	21	6	1	1	"
Washington city	30.92	39.93	33.13	34.66	69	11	58	-	6	8	-	3	1	9	2	S.W.	10	12	4	3	Cl'dy.
Fort Johnston	46.65	54.72	50.72	50.69	66	30	36	2	11	1	4	-	10	-	1	N.W.	16	8	5	-	Fair.
Fort Moultrie	45.13	54.75	48.41	49.43	69	30	39	1	2	8	3	2	4	2	7	N.E.	18	6	5	-	"
Cant. Jesup	44.48	60.65	57.62	54.25	76	28	48	1	-	1	13	10	2	2	-	E.	20	4	4	1	"
Canton. Clinch	47.75	60.31	53.34	53.80	69	24	45	4	6	2	2	6	2	5	2	-	17	2	10	-	"

MARCH.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'y. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	17.25	36.29	22.03	25.19	54	-14	68	2	4	-	2	11	4	1	7	S.E.	18	1	2	10	Fair.
Fort Snelling	18.70	32.45	20.45	23 86	57	-10	67	-	12	1	-	1	-	11	6	N.W.	18	4	3	6	"
Fort Sullivan	24.22	35.83	27.87	29 30	53	1	52	5	10	3	2	3	4	2	2	N.W.	20	9	-	2	"
Fort Howard	22.45	36.87	26.12	28.48	52	-4	56	1	-	11	-	-	1	16	2	S.W.	14	7	4	6	"
Fort Crawford	20.96	34.51	25 41	26.96	50	-7	57	6	9	2	1	4	4	3	2	N.W.	15	8	4	4	"
Fort Wolcott	34.00	44.19	34.64	37.61	52	18	34	5	9	4	2	1	5	3	2	N.W.	22	3	4	2	"
Council Bluffs	24.22	35.32	25.64	28 42	70	3	67	19	1	-	-	4	7	-	-	N.	17	6	1	7	"
Fort Columbus	32.09	43.93	36.70	37.57	59	18	41	2	11	2	1	10	2	1	2	N.W.	20	3	4	4	"
Fort Mifflin	35.87	48.19	30.77	38.27	58	24	34	-	-	2	-	12	-	9	8	S.E.	23	4	3	1	"
Washington city	37.67	47.48	40.25	41.46	62	28	34	-	9	14	1	5	1	1	-	N.E.	19	5	6	1	"
Fort Johnston	56.64	60.96	57.67	58.42	70	40	30	8	4	4	3	1	7	3	1	N.	11	12	8	-	Cl'dy.
Fort Moultrie	57.35	66.67	58.74	60 92	81	40	41	1	-	8	3	4	6	7	2	N.E.	22	7	2	-	Fair.
Canton. Jesup	57.22	69.29	65.25	63.92	79	42	37	3	8	3	2	10	2	2	1	S.E.	10	5	16	-	Rain.
Cant. Clinch	62.45	69.38	65.83	65.88	79	46	33	2	4	3	1	8	10	3	-	S.	17	2	12	-	Fair.

APRIL.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	36.06	45.93	36.03	39.34	62	26	36	-	3	2	3	3	3	5	11	W.	11	3	7	9	Fair.
Fort Snelling	37.96	49.06	38.33	41.78	73	25	48	1	5	2	1	3	2	12	4	S.W.	14	10	4	2	"
Fort Sullivan	35.96	47.70	37.50	40.38	58	20	38	5	7	1	5	1	6	2	3	N.W.	15	9	6	-	"
Fort Howard	33.93	52.13	40.53	42.19	74	24	50	2	-	12	-	-	-	16	-	S.W.	18	6	5	1	"
Fort Crawford	36.43	53.03	42.13	43.86	72	20	52	13	4	1	-	-	7	4	1	N.	14	10	6	-	"
Fort Wolcott	44.33	54.13	45.13	47.86	63	35	28	-	9	3	-	4	1	11	2	S.W.	20	1	9	-	"
Council Bluffs	41.96	57.50	42.66	47.37	82	24	58	8	-	3	5	7	7	-	-	N.	16	12	1	1	"
Fort Columbus	44.73	57.16	47.93	49.94	72	32	40	-	11	2	1	5	2	5	4	N.W.	20	-	10	-	"
Fort Mifflin	49.06	61.80	34.80	48.55	80	34	46	-	3	3	1	10	1	12	-	S.W.	23	6	1	-	"
Washington city	50.66	60.50	54.90	55.35	76	34	42	2	14	2	-	2	1	9	-	N.W.	19	1	10	-	"
Fort Johnston	62.03	65.76	64.13	63.97	77	47	30	5	2	-	3	3	15	-	2	S.	19	6	5	-	"
Fort Moultrie	60.86	69.93	62.93	64.57	81	41	40	1	-	3	5	11	4	4	2	S.E.	24	1	5	-	"
Cant. Jesup	57.23	70.80	65.30	64.44	82	48	34	2	3	11	3	2	2	6	1	N.E.	13	6	11	-	"
Canton. Clinch	64.13	70.40	67.53	67.35	78	50	28	3	4	3	2	5	10	3	-	S.	20	1	9	-	"

MAY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	47.61	55.25	42.77	48.54	89	33	56	1	7	1	2	6	1	3	10	W.	18	-	11	2	Fair.
Fort Snelling	51.12	66.16	51.61	56.29	89	27	62	1	1	3	1	5	7	12	1	S.W.	20	2	9	-	"
Fort Sullivan	43.70	52.64	41.87	46.07	64	32	32	-	8	-	3	1	7	8	4	-	22	5	4	-	"
Fort Howard	42.87	64.38	53.35	53.53	92	24	68	-	1	16	-	-	1	13	-	N.E.	22	3	6	-	"
Fort Crawford	50.30	68.32	56.77	58.46	87	30	57	12	-	1	-	4	9	3	2	N.	21	7	3	-	"
Fort Wolcott	52.83	62.06	50.58	55.15	73	37	36	2	5	2	1	4	3	13	1	S.W.	18	5	8	-	"
Council Bluffs	56.29	76.84	57.90	63.34	97	30	67	2	1	2	2	5	19	-	-	S.	22	7	2	-	"
Fort Columbus	53.96	66.04	54.06	58.02	79	42	37	-	12	2	-	4	5	7	1	N.W.	23	-	8	-	"
Fort Mifflin	61.74	76.58	50.96	63.09	88	38	50	-	2	-	1	14	1	10	3	S.E.	27	4	-	-	"
Washington city	59.80	70.06	64.22	64.69	80	49	31	5	8	1	1	7	2	7	-	N.W.	19	6	6	-	"
Fort Johnston	69.45	74.59	71.67	71.90	82	59	23	4	2	1	8	-	11	-	5	S.	15	11	5	-	"
Fort Moultrie	70.90	80.64	72.64	74.72	92	61	31	1	-	6	6	5	9	3	1	S.	24	-	7	-	"
Cant. Jesup	69.51	83.22	77.03	76.55	95	58	37	5	2	5	1	3	6	8	1	S.W.	25	3	3	-	"
Canton. Clinch	73.41	80.74	73.22	75.79	88	60	28	3	5	-	-	1	8	14	-	S.W.	24	-	7	-	"

JUNE.

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	59.50	67.06	53.66	60.07	84	39	45	1	4	-	4	6	2	2	11	W.	14	10	6	-	Fair.
Fort Snelling	62.50	72.53	63.06	66.03	85	54	31	1	7	2	-	7	6	3	4	-	14	3	13	-	"
Fort Sullivan	52.36	63.96	51.13	55.85	86	42	44	2	4	4	3	1	11	3	2	S.	15	12	3	-	"
Fort Howard	54.90	78.13	62.33	65.12	100	38	62	-	1	14	-	-	2	13	-	N.E.	17	2	11	-	"
Fort Crawford	61.63	76.66	65.43	67.90	88	45	43	6	-	-	-	3	13	-	8	S.	12	4	14	-	Rain.
Fort Wolcott	63.53	71.63	61.93	65.69	80	53	27	3	6	2	3	2	2	12	-	S.W.	16	8	6	-	Fair.
Council Bluffs	65.70	72.86	63.80	67.45	97	48	49	-	-	1	4	6	19	-	-	S.	21	5	4	-	"
Fort Columbus	63.76	76.04	65.00	68.26	90	50	40	-	12	3	-	5	4	5	1	N.W.	17	-	13	-	"
Fort Mifflin	72.86	82.06	70.80	75.24	94	52	42	-	4	1	-	11	-	14	-	S.W.	23	-	7	-	"
Washington city	69.46	79.06	72.30	73.60	88	52	36	2	8	3	-	3	2	11	1	S.W.	13	7	10	-	"
Fort Johnston	75.96	80.43	77.53	77.97	92	71	21	6	2	-	2	-	10	2	8	S.	18	9	3	-	"
Fort Moultrie	77.13	83.66	78.50	79.76	91	70	21	-	1	2	3	6	13	4	1	S.	29	-	1	-	"
Cant. Jesup	78.90	90.70	84.83	84.81	96	72	24	2	-	2	4	6	13	3	-	S.	23	1	6	-	"
Canton. Clinch	76.40	87.06	80.46	81.30	95	74	21	-	2	-	1	2	3	17	5	S.W.	21	-	9	-	"

JULY.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	61.64	73.35	58.70	64.56	84	49	35	-	3	-	3	4	2	2	17	W.	19	3	9	-	Fair.
Fort Snelling	70.73	80.19	68.29	73.03	96	55	41	5	7	2	1	2	1	7	6	-	17	5	9	-	"
Fort Sullivan	58.38	73.09	59.09	63.52	84	52	32	-	5	-	2	-	14	5	5	S.	24	6	1	-	"
Fort Howard	64.58	86.19	68.45	73.07	98	56	42	-	-	13	-	-	3	15	-	S.W.	24	3	4	-	"
Fort Crawford	67.67	78.00	68.35	71.34	96	62	34	13	1	-	-	2	7	5	3	N.	22	5	4	-	"
Fort Wolcott	69.54	76.90	67.96	71.46	82	65	17	2	3	2	2	3	3	12	4	S.W.	13	10	8	-	"
Council Bluffs	72.12	84.90	70.74	75.92	93	61	32	3	-	3	7	3	12	2	1	S.	19	10	2	-	"
Fort Columbus	70.00	80.86	70.00	73.62	96	62	34	-	6	4	5	3	3	6	4	-	21	10	-	-	"
Fort Mifflin	77.93	87.54	77.41	80.96	90	70	20	-	2	3	-	15	-	11	-	S.E.	24	-	7	-	"
Washington city	75.51	82.96	78.93	79.13	90	67	23	2	6	3	-	4	5	10	1	S.W.	15	7	9	-	"
Fort Johnston	80.80	85.67	82.32	82.93	90	72	18	10	1	-	-	-	8	1	11	W.	17	10	4	-	"
Fort Moultrie	80.80	86.30	81.35	82.81	90	80	10	-	-	-	4	4	10	9	4	S.	30	-	1	-	"
Cant. Jesup	80.35	92.90	84.54	85.93	101	76	25	-	-	6	3	12	6	4	-	S.E.	19	2	10	-	"
Canton. Clinch	80.80	88.03	81.83	83.55	95	77	18	-	2	1	-	4	3	21	-	S.W.	13	-	18	-	Rain.

AUGUST.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	59.06	70.64	58.93	62.87	81	51	30	-	4	-	-	6	-	5	16	W.	20	-	11	-	Fair:
Fort Snelling.	66.54	78.64	66.32	70.50	92	53	39	2	7	-	3	5	7	3	4	-	18	8	5	-	„
Fort Sullivan	57.00	73.06	56.77	62.27	80	52	28	5	2	2	1	1	14	3	3	S.	19	12	-	-	„
Fort Howard	59.87	79.80	64.09	67.92	92	48	44	-	-	13	-	-	3	15	-	S.W.	21	1	9	-	„
Fort Crawford	65.45	78.38	66.54	70.12	94	55	39	12	1	-	1	1	12	1	3	-	24	-	7	-	„
Fort Wolcott	66.83	74.65	65.41	68.96	78	58	20	3	2	3	3	4	3	12	1	S.W.	17	7	7	-	„
Council Bluffs	69.35	85.09	71.03	75.15	103	50	53	3	1	-	1	5	21	-	-	S.	24	6	1	-	„
Fort Columbus	66.42	77.08	67.61	70.37	90	58	32	2	2	6	-	4	5	7	5	S.W.	21	3	7	-	„
Fort Mifflin	71.67	83.29	70.58	75.18	88	60	28	-	7	5	-	10	-	9	-	S.E.	21	2	8	-	„
Washington city	71.25	78.64	75.06	74.98	84	63	21	5	6	4	-	3	12	1	-	S.	20	5	6	-	„
Fort Johnston	78.54	82.48	80.50	80.50	86	74	12	10	3	-	3	-	7	4	4	N.	14	8	9	-	„
Fort Moultrie	77.58	83.54	79.18	80.10	89	75	14	-	-	3	9	5	10	4	-	S.	24	2	5	-	„
Cant. Jesup	78.03	90.00	83.58	83.87	96	74	22	3	4	11	2	6	3	2	-	N.E.	21	1	9	-	„
Canton. Clinch	79.51	87.25	81.83	82.86	92	72	20	1	5	8	-	2	1	12	2	S.W.	18	1	12	-	„

SEPTEMBER.

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	54.00	66.50	53.10	57.86	79	44	35	2	7	1	1	11	4	1	3	S.E.	17	3	10	-	Fair.
Fort Snelling	55.96	69.63	57.50	61.03	84	42	42	2	5	-	-	7	7	7	2	-	17	8	5	-	"
Fort Sullivan	52.53	64.63	52.93	56.69	82	42	40	4	5	5	1	2	6	4	3	S.	18	7	5	-	"
Fort Howard	50.09	72.03	56.50	59.54	90	32	58	-	-	14	-	-	1	15	-	S.W.	21	4	5	-	"
Fort Crawford	56.03	70.23	59.26	61.84	82	42	40	8	1	3	2	5	11	-	-	S.	15	7	8	-	"
Fort Wolcott	61.23	70.23	61.13	64.19	79	49	30	5	5	7	1	-	3	8	1	S.W.	10	15	5	-	Cl'dy.
Council Bluffs	56.96	74.70	61.70	64.45	88	50	38	4	2	1	1	5	15	1	1	S.	19	10	1	-	Fair.
Fort Columbus	60.33	71.03	61.09	64.15	86	48	38	-	10	12	-	-	1	7	-	N.E.	20	3	7	-	"
Fort Mifflin	70.26	80.30	69.76	73.44	88	58	30	-	6	-	-	-	12	-	12	-	22	1	7	-	"
Washington city	66.06	70.50	69.40	68.63	80	58	22	5	6	7	2	3	4	2	1	N.E.	24	-	6	-	"
Fort Johnston	73.40	76.86	75.33	75.19	83	62	21	9	7	2	2	-	8	-	2	N.	8	10	12	-	Rain.
Fort Moultrie	74.53	78.46	74.86	75.95	87	67	20	2	-	13	10	1	2	2	-	N.E.	14	6	10	-	Fair.
Cant. Jesup	71.66	84.90	77.40	77.98	91	63	28	6	4	9	4	3	3	1	-	N.E.	23	2	5	-	"
Canton. Clinch	73.93	80.83	76.26	77.00	88	62	26	-	5	5	3	7	1	8	1	S.W.	16	-	14	-	"

OCTOBER.

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S:	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	40.32	47.66	39.87	42.61	67	31	36	2	8	-	1	5	-	2	13	W.	4	10	17	-	Rain.
Fort Snelling	37.06	49.35	39.35	41.92	68	25	43	1	6	-	-	1	7	13	3	S.W.	13	14	4	-	Cl'dy.
Fort Sullivan	40.64	52.32	43.03	45.33	66	30	36	1	9	-	1	2	5	6	7	NW.	24	4	3	-	Fair.
Fort Howard	34.48	52.41	40.67	42.52	70	24	46	-	-	12	1	-	-	18	-	S.W.	16	9	6	-	"
Fort Crawford	41.03	54.51	44.06	46.53	73	24	49	11	4	-	-	2	8	2	4	N.	16	13	2	-	"
Fort Wolcott	51.48	60.16	52.16	54.60	72	34	38	3	11	-	-	3	-	12	2	S.W.	14	12	5	-	"
Council Bluffs	42.48	62.25	49.19	51.30	84	18	66	6	2	-	-	1	13	5	4	S.	21	4	6	-	"
Fort Columbus	50.00	62.33	52.93	55.08	76	34	42	-	19	1	2	2	6	1	-	N.W.	22	4	5	-	"
Fort Mifflin	47.15	66.25	54.96	56.12	72	34	38	-	8	6	-	5	-	12	-	S.W.	21	7	3	-	"
Washington city	52.29	62.67	56.87	57.27	71	31	40	3	12	1	1	1	5	6	2	N.W.	21	6	4	-	"
Fort Johnston	66.51	71.25	68.86	68.87	80	49	31	18	2	-	1	-	7	3	-	N.	23	4	4	-	"
Fort Moultrie	60.73	76.16	68.29	68.39	82	47	35	4	1	6	7	6	2	2	3	E.	27	1	3	-	"
Cant. Jesup	60.12	73.77	64.22	66.03	86	46	40	1	5	6	3	7	3	5	1	S.E.	23	-	8	-	"
Cant. Clinch	65.12	75.12	65.96	68.73	83	46	37	-	6	7	-	13	-	5	-	S.E.	25	-	6	-	"

NOVEMBER.

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.		Fair.	Cl'dy.	Rain.	Snow.	
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Prevailing.	Days.	Days.	Days.	Days.	Prevailing.
Fort Brady	28.10	35.56	30.40	31.35	48	17	31	2	5	3	-	8	3	3	6	S.E.	5	2	8	15	Snow.
Fort Snelling	25.90	35.60	28.40	29.96	57	-1	58	7	5	-	1	3	8	3	3	S.	8	12	5	5	Cl'dy.
Fort Sullivan	29.70	36.53	36.63	34.28	48	20	28	8	8	5	2	-	-	3	5	-	8	18	4	-	"
Fort Howard	25.67	36.33	29.50	30.50	50	0	50	1	3	12	-	-	-	14	-	S.W.	7	15	3	5	"
Fort Crawford	28.53	36.23	30.83	31.86	58	1	57	9	1	1	-	4	7	4	2	N.	11	5	5	7	Fair.
Fort Wolcott	39.70	47.00	41.43	42.71	60	28	32	7	6	2	-	3	1	8	3	S.W.	11	9	9	1	"
Council Bluffs	25.73	36.93	27.56	30.07	72	2	70	10	6	1	1	-	12	-	-	S.	14	5	2	9	"
Fort Columbus	39.80	48.50	42.83	42.71	63	26	37	-	13	-	1	2	1	11	2	N.W.	19	5	6	-	"
Fort Mifflin	40.40	55.93	42.66	46.33	64	20	44	-	10	1	-	10	-	9	-	-	23	6	1	-	"
Washington city	38.60	50.73	42.33	43.88	61	27	34	2	8	3	-	1	7	5	4	N.W.	23	3	4	-	"
Fort Johnston	59.50	62.56	59.16	60.40	72	40	32	12	3	1	-	1	7	2	4	N.	22	4	4	-	"
Fort Moultrie	53.00	66.00	56.00	58.33	76	40	36	1	-	12	5	2	1	4	5	N.E.	22	2	6	-	"
Cant. Jesup	52.30	63.00	58.53	57.94	78	30	48	1	5	10	4	3	-	7	-	N.E.	22	4	4	-	"
Cant. Clinch	56.93	67.26	60.13	61.44	76	31	45	2	7	6	1	8	1	5	-	S.E.	21	1	8	-	"

DECEMBER.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	23.35	30.38	25.64	26.45	46	2	44	1	7	1	2	11	1	1	7	S.E.	7	-	9	15	Snow.
Fort Snelling	18.16	27.67	20.87	22.23	42	0	42	3	10	4	-	2	5	4	3	N.W.	10	15	1	5	Cl'dy.
Fort Sullivan	25.41	30.90	26.70	27.67	48	12	36	8	8	1	1	1	2	4	6	-	13	13	4	1	-
Fort Howard	22.67	34.67	24.41	27.25	54	4	50	4	2	8	-	-	-	17	-	S.W.	9	18	1	3	Cl'dy.
Fort Crawford	22.38	31.38	25.93	26.56	42	8	34	10	5	2	-	2	8	3	1	N.	14	10	4	3	Fair.
Fort Wolcott	34.12	41.48	35.90	37.16	54	21	33	5	10	2	-	1	2	9	2	N.W.	16	11	4	-	"
Council Bluffs	20.64	31.22	25.58	25.81	42	4	38	14	5	-	-	-	12	-	-	N.	16	9	3	3	"
Fort Columbus	35.22	43.58	36.74	38.51	59	23	36	1	14	2	-	5	2	6	1	N.W.	20	7	3	1	"
Fort Mifflin	35.93	46.25	35.48	39.22	56	20	36	-	10	3	2	9	-	7	-	N.W.	22	6	2	1	"
Washington city	35.87	45.65	39.32	40.28	62	24	38	-	10	3	1	3	3	11	-	S.W.	19	8	3	1	"
Fort Johnston	55.58	61.22	55.22	57.34	72	42	30	9	4	5	1	1	11	-	-	S.	16	10	5	-	"
Fort Moultrie	49.38	60.61	54.00	54.66	65	38	27	4	2	11	6	-	-	3	5	N.E.	21	2	8	-	"
Cant. Jesup	53.83	59.00	57.00	56.61	75	36	39	5	4	3	1	13	1	4	-	S.E.	17	3	11	-	"
Canton. Clinch	52.38	60.48	55.09	55.98	74	33	41	2	7	4	-	10	2	4	2	S.E.	17	2	12	-	"

FOR THE YEAR.

PLACES OF OBSERVATION.	Latitude.	Longitude.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow Days.	Prevailing.
Fort Brady	46°39′	84°43′	37.04	48.17	37.65	40.94	89	-33	122	1.33	5.25	0.83	2.16	7.33	2.08	2.16	9.33	W.	13.58	3.16	7.75	6.00	Fair.
Fort Snelling	44 53	93 08	38.59	50.60	40.32	43.17	96	-27	123	2.50	6.66	2.00	0.66	3.33	4.50	7.50	3.33	S.W.	16.33	7.25	4.91	2.00	"
Fort Sullivan	44 44	67 04	37.86	48.42	38.72	41.66	86	-19	105	3.16	6.66	2.33	1.91	1.00	6.41	3.66	5.00	N.W.	17.58	9.25	2.91	0.75	"
Fort Howard	44 40	87 00	36.78	54.10	42.25	44.37	100	-18	118	1.08	0.66	12.16	0.08	-	0.91	15.33	0.15	S.W.	17.00	7.00	4.66	1.83	"
Fort Crawford	43 03	90 53	40.34	53.42	43.77	45.84	96	-28	124	9.83	2.91	0.83	0.33	2.50	8.66	2.33	2.91	N.	16.10	7.00	5.08	1.50	"
Fort Wolcott	41 30	71 18	48.16	56.39	48.23	50.92	82	2	80	3.16	7.00	2.83	1.08	2.41	2.16	9.00	1.91	S.W.	15.58	7.75	6.50	0.66	"
Council Bluffs	41 25	95 43	43.18	57.37	45.50	48.68	103	-21	124	7.83	1.75	1.25	1.83	3.75	12.66	0.91	0.58	S.	19.08	7.08	2.00	2.33	"
Fort Columbus	40 42	74 02	48.14	58.72	49.81	52.22	96	2	94	0.58	11.25	3.16	1.00	3.83	2.58	6.25	1.83	N.W.	19.58	4.00	5.91	1.00	"
Fort Mifflin	39 51	75 12	52.09	64.30	49.66	55.35	94	10	84	-	5.33	2.08	0.33	8.58	1.41	10.08	2.66	S.W.	22.83	3.66	3.58	0.41	"
Washington c'y	38 53	76 55	51.91	61.02	55.27	56.06	90	11	79	2.50	8.00	4.91	0.50	3.00	3.66	6.75	1.00	N.W.	17.91	5.91	6.16	0.50	"
Fort Johnston	34 00	78 05	64.73	69.63	66.52	66.96	92	28	64	8.08	3.75	1.33	2.50	0.58	9.66	1.41	3.16	S.	16.50	8.41	5.50	0.08	"
Fort Moultrie	32 42	79 56	62.94	72.03	65.60	66.85	92	24	68	1.25	0.66	6.58	5.50	3.91	5.25	4.41	2.91	N.E.	23.33	2.50	4.66	-	"
Cant. Jesup	31 30	93 47	63.13	75.15	69.55	69.27	96	28	68	2.50	2.91	5.83	4.08	6.41	4.00	4.25	0.50	S.E.	18.83	3.91	7.66	0.08	"
Cant. Clinch	30 24	87 14	65.42	73.72	68.18	69.10	95	24	71	1.50	5.33	3.41	0.91	6.16	3.50	8.58	1.08	S.W.	19.08	1.00	10.41	-	"

JANUARY.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	13.54	24.96	17.70	18.73	36	-25	61	3	8	2	1	13	1	-	3	S.E.	10	1	2	18	Snow.
Fort Snelling	8.38	23.35	12.80	14.84	38	-14	52	6	6	2	-	8	4	5	-	S.E.	17	8	1	5	Fair.
Fort Sullivan	17.80	25.74	20.00	21.18	44	-4	48	8	8	2	3	-	3	1	6	-	16	12	-	3	„ „
Fort Howard	11.87	26.80	16.87	18.51	42	-12	54	-	-	13	-	-	-	18	-	S.W.	22	6	1	2	„ „
Fort Wolcott	28.67	36.39	29.48	31.51	48	14	34	5	12	3	1	1	1	4	4	N.W.	14	10	4	3	„ „
Council Bluffs	13.51	29.58	18.19	20.42	55	-4	59	6	5	-	-	-	16	1	3	S.	24	2	1	4	„ „
Fort Columbus	28.45	37.96	31.83	32.74	47	15	32	-	10	4	3	2	2	7	3	N.W.	21	6	3	1	„ „
Washington c'y	31.00	40.41	34.83	35.41	50	19	31	3	13	4	-	-	1	8	2	N.W.	18	10	1	2	„ „
Fort Johnston	50.32	52.96	51.18	51.82	63	32	31	5	9	4	-	1	3	8	1	N.W.	20	3	7	1	„ „
Cant. Jesup	45.06	60.38	52.64	52.69	77	32	45	2	3	9	-	4	3	7	3	N.E.	17	6	8	-	„ „
St. Augustine	60.29	63.35	59.67	61.10	79	48	31	-	14	17	-	-	-	-	-	N.E.	25	2	4	-	„ „
Cant. Brooke	55.45	66.54	59.25	60.41	74	40	34	-	4	13	-	1	5	8	-	N.E.	18	6	7	-	„ „

FEBRUARY.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	18.82	35.95	22.10	25.62	47	-14	61	2	2	1	1	12	4	2	4	S.E.	10	4	3	11	Snow.
Fort Snelling	17.17	36.10	25.50	26.25	50	-15	65	-	6	1	1	9	5	4	2	S.E.	9	11	3	5	Cl'dy.
Fort Sullivan	16.67	27.64	22.75	22.35	47	-2	49	6	6	7	2	1	1	2	3	N.E.	11	15	2	-	"
Fort Howard	22.75	35.35	26.35	28.15	48	-2	50	2	-	12	-	-	-	14	-	S.W.	8	12	4	4	"
Fort Wolcott	30.15	38.15	30.69	32.99	45	14	31	4	6	8	-	1	-	5	4	N.E.	13	8	3	4	Fair.
Council Bluffs	27.14	40.85	30.75	32.91	59	-11	70	7	5	2	-	-	10	1	3	S.	14	8	2	4	"
Fort Columbus	28.50	38.14	31.25	32.63	51	9	42	-	7	8	3	2	1	5	2	N.E.	15	5	4	4	"
Washington city	34.96	44.46	38.00	39.14	57	16	41	3	6	8	2	-	3	6	-	N.E.	9	11	5	3	Cl'dy.
Fort Johnston	51.60	57.35	54.07	54.34	68	29	39	12	1	3	-	-	9	2	1	N.	9	12	7	-	"
Cant. Jesup	52.21	67.07	60.21	59.83	78	32	46	2	3	5	-	10	3	4	1	S.E.	17	4	7		Fair.
St. Augustine	58.67	64.67	59.03	60.79	76	46	30	-	6	8	-	14	-	-	-	S.E.	20	1	7	-	"
Canton. Brooke	59.46	71.57	62.82	64.61	80	40	40	-	4	13	-	-	-	11	-	N.E.	17	4	7	-	"

MARCH.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'y.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	24.35	39.12	29.45	30.97	52	6	46	-	7	2	5	7	2	3	5	-	20	-	2	9	Fair.
Fort Snelling	29.45	44.22	35.22	36.29	61	21	40	2	9	1	-	10	5	3	1	S.E.	13	8	10	-	"
Fort Sullivan	28.16	39.00	31.61	32.92	53	14	39	5	7	1	3	4	4	3	4	N W.	14	12	2	3	"
Fort Howard	28.58	42.12	31.45	34.05	60	18	42	1	1	20	-	-	-	9	-	N.E.	18	6	3	4	"
Fort Wolcott	38.03	46.45	38.12	40.86	55	28	27	3	7	4	1	4	3	7	2	-	20	4	7	-	"
Council Bluffs	34.74	47.35	38.93	40.34	71	3	68	11	9	2	2	4	3	-	-	N.	6	16	9	-	Cl'dy.
Fort Columbus	38.96	50.77	41.41	43.71	69	30	39	-	12	10	-	-	-	5	4	N.W.	16	7	7	1	Fair.
Washington city	44.09	55.12	47.41	48.87	66	34	32	1	10	4	3	4	3	4	2	N.W.	16	11	4	-	"
Fort Johnston	59.61	65.00	61.29	61.96	70	52	18	11	2	3	-	2	13	-	-	S.	15	10	6	-	"
Canton. Jesup	56.93	72.22	64.87	64.67	82	44	38	2	11	1	-	12	4	-	1	S.E.	20	1	10	-	"
St. Augustine	69.28	71.58	69.58	70.14	76	62	14	-	1	12	-	13	-	5	-	S.E.	20	3	8	-	"
Cant. Brooke	64.38	74.58	63.22	67.39	84	54	30	-	3	4	-	5	4	15	-	S.W.	15	6	10	-	"

APRIL.

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	37.20	49.83	37.60	41.54	72	18	54	-	4	1	1	10	1	1	12	W.	16	-	11	3	Fair.
Fort Snelling	50.03	64.13	51.43	55.19	82	34	48	1	6	2	1	8	6	3	3	S.E.	19	4	7	-	"
Fort Sullivan	36.43	52.10	38.36	42.29	70	22	48	4	4	4	2	-	5	6	5	S.W.	20	8	2	-	"
Fort Howard	35.96	60.73	45.20	47.29	84	20	64	1	-	15	-	1	-	13	-	N.E.	21	-	8	1	"
Fort Wolcott	44.56	55.26	44.06	47.96	67	29	38	3	5	7	1	3	1	10	-	S.W.	13	11	5	1	"
Council Bluffs	49.80	72.10	56.46	59.45	88	32	56	4	-	2	1	2	18	2	1	S.	16	9	5	-	"
Fort Columbus	46.00	60.16	47.90	51.35	82	29	53	-	10	4	3	5	-	7	1	N.W.	21	4	4	1	"
Washington city	49.99	64.33	54.83	56.38	77	35	42	9	4	3	-	2	5	5	2	N.	20	4	5	1	"
Fort Johnston	59.53	65.00	61.80	62.11	74	40	34	11	-	7	-	1	10	1	-	N.	18	5	7	-	"
Cant. Jesup	59.93	74.03	66.96	66.97	82	46	36	7	5	8	-	5	3	-	2	N.E.	14	7	9	-	"
St. Augustine	66.06	69.70	66.96	67.57	76	60	16	1	4	8	1	10	3	1	2	S.E.	18	3	9	-	"
Canton. Brooke	69.26	78.00	70.86	72.70	86	60	26	-	2	9	6	-	2	11	-	S.W.	20	5	5	-	"

MAY.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	48.80	59.35	49.51	52.55	80	30	50	1	3	1	4	12	1	1	8	S.E.	15	5	10	1	Fair.
Fort Snelling	57.16	68.03	57.51	60.90	83	42	41	5	2	2	4	8	6	3	1	S.E.	11	6	14	-	Rain.
Fort Sullivan	45.35	60.64	44.44	50.14	77	34	43	1	6	2	4	1	12	5	-	S.	23	4	4	-	Fair.
Fort Howard	47.74	67.03	55.03	56.93	88	32	56	1	1	17	-	-	-	12	-	N.E.	25	2	4	-	"
Fort Wolcott	54.00	63.58	52.25	56.61	73	37	36	1	6	3	-	4	1	13	3	S.W.	20	7	4	-	"
Council Bluffs	61.84	72.35	66.77	66.98	91	38	53	-	10	3	1	1	13	1	2	S.	15	8	8	-	"
Fort Columbus	57.32	72.77	57.45	62.51	90	43	47	-	6	2	-	9	7	6	1	S.E.	24	2	5	-	"
Washington city	60.93	71.87	62.16	64.98	82	46	36	-	4	3	5	8	2	8	1	-	16	5	10	-	"
Fort Johnston	70.61	76.03	73.51	73.38	84	61	23	11	-	2	2	1	12	1	2	S.	22	6	3	-	"
Cant. Jesup	71.25	84.41	77.61	77.75	90	58	32	3	1	3	3	11	5	4	1	S.E.	15	8	8	-	"
St. Augustine	74.67	79.25	76.22	76.71	84	66	18	-	-	4	9	11	2	4	1	S.E.	24	-	7	-	"
Canton. Brooke	73.16	85.67	77.29	78.70	92	68	24	-	2	7	9	4	5	4	-	E.	20	6	5	-	"

JUNE.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	60.36	69.26	57.26	61.96	88	44	44	-	5	1	1	3	1	4	15	W.	17	2	11	-	Fair.
Fort Snelling	66.36	78.93	67.73	70.67	83	54	29	-	3	1	-	9	4	13	-	S.W.	9	11	10	-	Cl'dy.
Fort Sullivan	55.70	71.93	55.30	60.97	92	46	46	1	7	-	4	1	9	6	2	S.	19	9	2	-	Fair.
Fort Howard	62.86	79.26	65.66	69.26	94	46	48	2	2	13	-	-	-	13	-	-	18	1	11	-	"
Fort Wolcott	67.10	74.20	66.06	69.12	87	57	30	1	4	1	2	1	3	13	5	S.W.	13	8	9	-	"
Council Bluffs	69.23	77.06	72.86	73.05	88	52	36	3	2	5	5	3	2	4	6	W.	18	9	3	-	"
Fort Columbus	70.93	82.63	70.20	74.58	97	56	41	-	8	4	-	2	3	12	1	S.W.	20	2	8	-	"
Washington city	72.50	82.09	74.49	76.36	93	54	39	3	8	4	3	2	3	5	2	N.W.	17	8	5	-	"
Fort Johnston	76.76	84.30	78.90	79.98	87	62	25	3	-	-	-	1	11	6	9	S.	14	9	7	-	"
Cant. Jesup	75.43	86.96	80.56	80.98	94	64	30	-	3	3	5	13	5	1	-	S.E.	18	3	9	-	"
St. Augustine	80.23	82.93	80.53	81.23	90	74	16	4	2	10	2	2	2	4	4	N.E.	20	2	8	-	"
Canton. Brooke	78.13	85.20	78.80	80.71	90	72	18	1	2	6	3	8	5	2	3	S.E.	11	10	9	-	"

JULY.

PLACES or OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	64.70	74.41	63.06	67.39	89	51	38	1	2	2	1	5	3	5	12	W.	15	5	11	-	Fair.
Fort Snelling	72.00	81.64	73.00	75.54	92	54	38	-	2	1	2	5	2	11	8	S.W.	16	3	12	-	"
Fort Sullivan	61.35	80.00	60.74	67.33	94	52	42	3	4	1	1	-	11	7	4	S.	19	12	-	-	"
Fort Howard	72.25	87.03	78.12	79.13	100	54	46	1	1	14	-	-	-	15	-	S.W.	25	3	3	-	"
Fort Wolcott	71.96	80.51	71.42	74.63	88	63	25	-	1	1	-	3	1	25	-	S.W.	19	6	6	-	"
Council Bluffs	69.09	85.03	71.80	75.30	98	54	44	-	5	4	-	6	5	11	-	S.W.	13	6	12	-	"
Fort Columbus	75.45	92.41	76.03	81.29	104	67	37	-	4	2	-	3	4	18	-	S.W.	25	1	5	-	"
Washington city	75.22	84.83	77.77	79.27	95	64	31	1	8	2	-	7	8	5	-	-	18	6	7	-	"
Fort Johnston	79.06	83.35	80.80	81.07	87	72	15	9	3	-	1	-	7	3	8	N.	17	8	6	-	"
Cant. Jesup	77.80	88.61	81.96	82.79	94	74	20	1	2	4	5	10	2	6	1	S.E.	16	7	8	-	"
St. Augustine	82.56	85.03	81.52	83.03	90	79	11	-	1	9	2	12	2	5	-	S.E.	19	4	8	-	"
Canton. Brooke	78.19	86.38	77.61	80.72	90	72	18	-	1	-	-	10	7	8	5	S.E.	9	-	22	-	Rain.

AUGUST.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	65.61	74.83	63.54	67.99	88	55	33	-	6	-	1	3	1	7	13	W.	21	2	8	-	Fair.
Fort Snelling	68.58	77.25	73.22	73.01	89	59	30	3	6	1	3	3	-	9	6	S.W.	21	-	10	-	"
Fort Sullivan	58.31	76.87	59.33	64.83	91	50	41	4	4	4	1	1	13	2	2	S.	23	7	1	-	"
Fort Howard	61.16	82.22	62.41	68.56	100	54	46	1	4	13	-	-	-	13	-	-	21	4	6	-	"
Fort Wolcott	68.35	75.45	70.45	71.41	83	59	24	1	1	8	-	4	-	16	1	S.W.	13	12	6	-	"
Council Bluffs	69.74	89.00	71.25	76.66	102	60	42	4	2	8	8	3	3	1	2	-	18	9	4	-	"
Fort Columbus	69.54	81.09	71.35	73.99	94	62	32	1	4	6	-	4	4	12	-	S.W.	22	-	9	-	"
Washington city	72.48	83.22	71.61	75.77	94	62	32	4	7	5	-	8	1	6	-	S.E.	24	-	7	-	"
Fort Johnston	78.51	82.83	80.25	80.19	89	72	17	7	2	1	3	-	5	2	11	W.	16	8	7	-	"
Cant. Jesup	78.70	92.19	84.45	85.11	97	72	25	3	4	10	5	5	1	3	-	N.E.	24	3	4	-	"
St. Augustine	83.00	86.41	82.41	83.94	94	80	14	-	3	5	5	6	-	7	5	S.W.	20	7	4	-	"
Cant. Brooke	77.16	87.29	71.54	78.99	92	72	20	-	3	5	4	9	2	8	-	S.E.	13	-	18	-	Rain.

SEPTEMBER.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	52.43	60.13	51.96	54.84	71	42	29	1	3	1	-	9	4	2	10	W.	10	-	20	-	Rain.
Fort Snelling	58.46	68.03	62.13	62.87	79	43	36	3	7	4	-	1	-	8	7	S.W.	21	1	8	-	Fair.
Fort Sullivan	50.93	67.00	51.80	56.57	79	41	38	1	8	4	1	-	5	5	6	N.W.	21	8	1	-	"
Fort Howard	42.56	72.26	54.83	56.55	83	32	51	-	4	12	-	-	-	14	-	S.W.	14	5	11	-	"
Fort Wolcott	60.00	69.50	60.00	63.16	78	52	26	1	7	4	1	6	1	9	1	S.W.	17	9	4	-	"
Council Bluffs	55.74	76.00	61.30	64.34	92	42	50	4	7	2	4	6	4	2	1	N.W.	18	6	6	-	"
Fort Columbus	59.30	71.26	61.60	67.42	83	49	34	-	10	4	-	5	4	7	-	N.W.	21	-	9	-	"
Washington c'y	61.96	73.56	67.03	67.51	85	62	38	-	7	7	1	8	3	4	-	S.E.	27	-	3	-	"
Fort Johnston	72.50	77.36	75.16	75.00	84	60	24	10	6	2	-	-	2	3	7	N.	16	5	9	-	"
Cant. Jesup	70.83	85.33	76.53	77.56	94	56	38	6	8	7	-	6	2	1	-	N.W.	24	3	3	-	"
St. Augustine	79.96	82.03	80.30	80.76	87	76	11	5	1	14	-	8	-	2	-	N.E.	13	10	7	-	"
Cant. Brooke	76.20	85.66	73.53	78.46	90	70	20	-	11	6	-	7	2	1	3	N.W.	22	-	8	-	"

OCTOBER.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	42.70	52.77	42.64	45.70	78	29	49	1	10	2	1	6	2	3	6	N.W.	12	5	6	8	Fair.
Fort Snelling	40.96	53.80	43.19	45.98	82	20	62	3	8	6	1	3	1	5	4	N.W.	15	10	6		"
Fort Sullivan	43.83	54.96	44.64	47.81	87	28	59	2	7	-	3	-	3	10	6	S.W.	17	12	2	-	"
Fort Howard	41.41	58.86	46.58	48.95	84	20	64	-	-	8	-	-	-	22	1	S.W.	16	10	4	1	"
Fort Wolcott	53.38	61.32	53.54	56.08	76	35	41	4	7	3	-	2	4	11	-	S.W.	9	18	4	-	Cl'dy.
Council Bluffs	45.70	66.06	52.48	54.74	90	20	70	4	6	1	1	8	1	8	2	-	19	4	7	1	Fair.
Fort Columbus	51.80	63.74	55.80	57.11	85	35	50	-	13	3	1	5	4	5	-	N.W.	21	7	3	-	"
Washington city	53.70	67.90	58.90	60.16	87	35	52	-	9	6	-	2	3	11	-	S.W.	21	5	5	-	"
Fort Johnston	65.70	71.41	69.45	68.85	82	42	40	10	8	2	-	-	7	-	4	N.	21	4	6	-	"
Canton. Jesup	60.64	80.06	63.77	68.15	90	36	54	3	4	6	7	10	1	-	-	S.E.	27	3	1	-	"
St. Augustine	75.77	78.32	76.58	76.89	85	58	27	2	2	16	2	4	-	1	4	N.E.	22	7	2	-	"
Cant. Brooke	72.21	84.50	74.00	76.90	90	60	30	-	4	7	5	5	-	4	6	N.E.	26	2	3	-	"

NOVEMBER.

PLACES or OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevailing.	Fair.	Cl'dy.	Rain.	Snow.	Prevailing.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	33.90	41.26	35.16	36.77	72	4	68	-	6	-	2	7	6	6	3	S.E.	11	7	8	4	Fair.
Fort Snelling	30.66	39.90	31.26	33.94	69	10	59	2	7	1	1	5	1	7	6	-	19	-	6	5	"
Fort Sullivan	34.13	43.86	35.83	37.94	66	18	48	3	11	2	2	-	2	8	2	N.W.	18	9	3	-	"
Fort Howard	32.50	42.90	36.36	37.25	76	6	70	2	1	1	1	2	-	21	2	S.W.	13	16	-	1	Cl'dy.
Fort Wolcott	41.00	48.70	43.40	44.33	63	18	45	3	9	8	-	-	-	8	2	N.W.	16	11	2	1	Fair.
Council Bluffs	36.16	52.96	40.04	43.05	80	8	72	11	6	-	-	1	9	-	3	N.	17	10	2	1	"
Fort Columbus	35.96	48.10	47.66	43.90	63	19	44	3	16	1	-	-	1	7	2	N.W.	26	-	3	1	"
Washington city	36.93	53.10	43.86	44.63	69	25	44	2	8	6	-	1	3	10	-	S.W.	16	13	1	-	"
Fort Johnston	51.83	59.93	59.33	57.03	70	36	34	15	7	2	2	-	2	-	2	N.	17	10	3	-	"
Cant. Jesup	51.40	64.20	55.70	57.10	82	32	50	5	3	7	5	6	-	3	1	N.E.	16	8	6	-	"
St. Augustine	66.50	69.43	67.53	67.82	76	52	24	1	-	23	-	5	-	-	1	N.E.	24	3	3	-	"
Canton. Brooke	65.53	78.06	67.93	70.50	84	56	28	-	3	11	7	3	2	1	3	N.E.	26	2	2	-	"

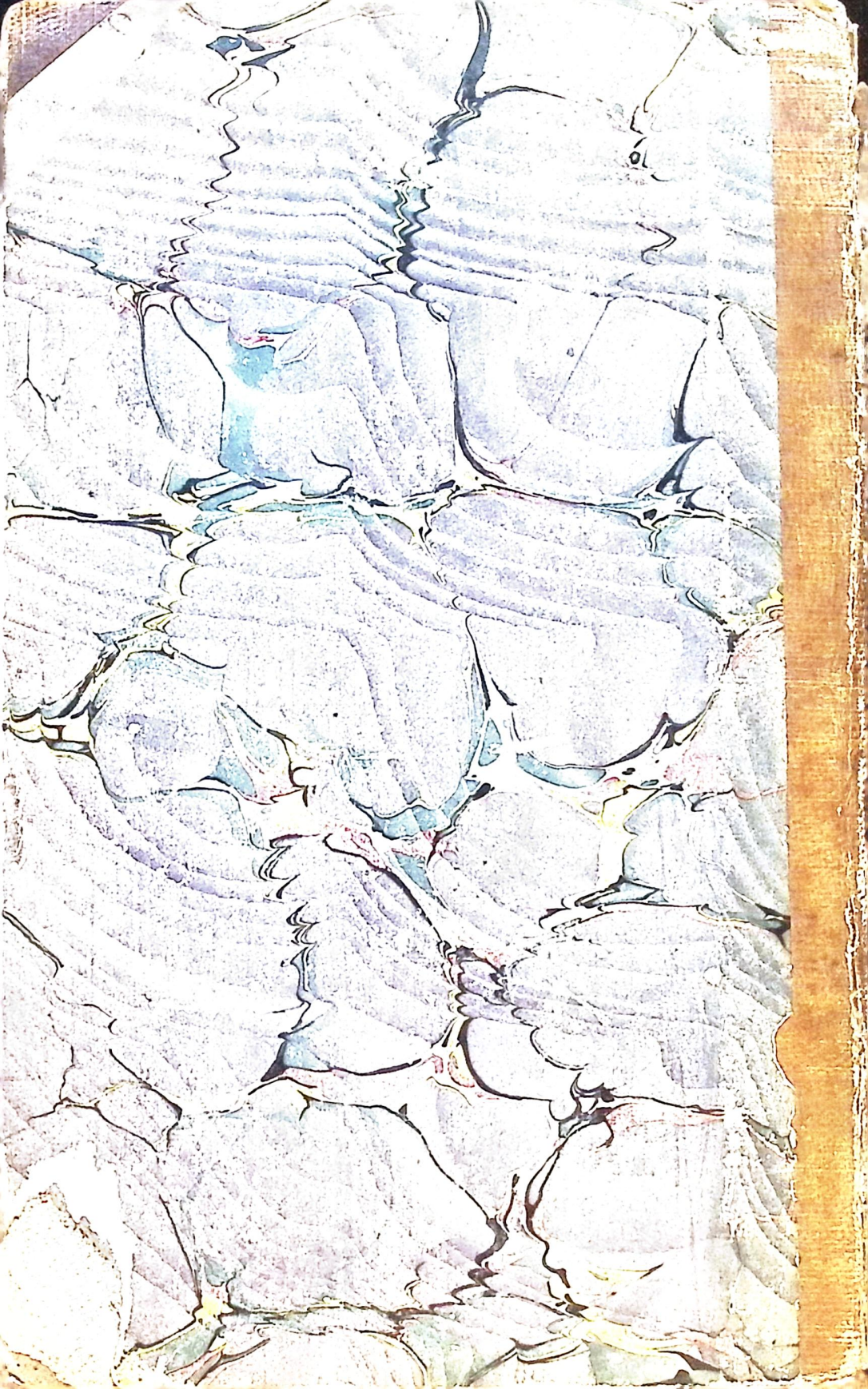
DECEMBER.

PLACES OF OBSERVATION.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Aggregate Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow. Days.	Prevailing.
Fort Brady	13.70	21.45	17.29	17.48	40	-21	61	1	4	6	7	9	-	3	1	S.E.	5	12	3	11	Cl'dy.
Fort Snelling	9.40	19.15	14.54	14.36	40	0	40	1	17	1	-	5	1	3	3	N.W.	24	2	1	4	Fair.
Fort Sullivan	25.41	32.12	27.48	28.33	50	-5	55	2	5	2	5	-	4	2	11	W.	14	12	5	-	"
Fort Howard	11.96	21.74	14.87	16.19	40	-25	65	-	1	-	-	-	-	26	4	S.W.	14	11	1	5	"
Fort Wolcott	32.38	38.22	34.32	34.97	55	-1	56	4	8	5	-	2	-	10	2	S.W.	15	7	9	-	"
Council Bluffs	18.54	31.51	22.48	24.17	54	-2	56	17	2	-	1	2	9	-	-	N.	18	8	-	5	"
Fort Columbus	28.22	35.53	31.35	31.70	50	-3	53	1	11	5	1	1	1	4	7	N.W.	19	2	10	-	"
Washington city	31.58	41.38	35.45	36.13	54	10	44	3	11	2	1	1	7	5	1	N.W.	17	7	7	-	"
Fort Johnston	44.61	51.90	48.90	48.47	67	28	39	11	8	3	-	-	3	1	5	N.	16	8	7	-	"
Canton. Jesup	36.55	54.00	44.80	45.11	72	20	52	5	7	1	2	9	4	3	-	S.E.	23	3	4	1	"
St. Augustine	54.35	60.83	54.64	56.60	76	42	34	-	1	24	-	5	-	1	-	N.E.	23	5	3	-	"
Cant. Brooke	54.58	65.22	56.30	58.70	78	40	38	1	9	4	2	3	-	2	10	W.	21	6	4	-	"

FOR THE YEAR.

PLACES or OBSERVATION.	Latitude.	Longitude.	THERMOMETER. Mean Temperature. VII.	II.	IX.	Average Mean Temperature.	Highest degree.	Lowest degree.	Range.	WINDS. N. Days.	N.W. Days.	N.E. Days.	E. Days.	S.E. Days.	S. Days.	S.W. Days.	W. Days.	Prevailing.	WEATHER. Fair. Days.	Cl'dy. Days.	Rain. Days.	Snow Days.	Prevailing.
Fort Brady	46°39′	84°43′	39.67	50.30	40.60	43.52	89	−25	114	0.83	5.00	1.58	2.08	8.00	2.16	3.08	7.66	S.E.	13.50	3.58	7.91	5.41	Fair.
Fort Snelling	44 53	93 08	42.38	54.54	45.62	47.51	92	−15	107	2.16	6.58	1.91	1.08	6.16	2.83	6.16	3.41	N.W.	16.16	5.33	7.33	1.58	„
Fort Sullivan	44 44	67 04	39.50	52.65	41.02	44.39	94	−5	99	3.33	6.41	2.41	2.58	0.66	6.00	4.75	5.08	N.W.	17.91	10.00	2.00	0.50	„
Fort Howard	44 40	87 00	39.30	56.35	44.47	46.70	100	−25	125	0.91	1.25	11.50	0.09	0.25	-	15.83	0.58	S.W.	17.91	6.33	4.66	1.50	„
Fort Wolcott	41 30	71 18	49.13	57.31	49.48	51.97	88	−1	89	2.50	6.08	4.58	0.50	2.58	1.25	10.91	2.00	S.W.	15.16	9.25	5.25	0.75	„
Council Bluffs	41 25	95 43	45.93	61.65	50.27	52.61	102	−11	113	5.91	4.91	2.41	1.91	3.00	7.75	2.58	1.91	S.	16.33	7.91	4.91	1.25	„
Fort Columbus	40 42	74 02	49.36	61.13	51.98	54.15	104	−3	107	0.41	9.25	4.41	0.91	3.16	2.58	7.91	1.75	N.W.	20.91	3.00	5.83	0.66	„
Washington city	38 53	76 55	52.11	63.52	55.52	57.05	95	10	85	2.41	7.91	4.50	1.25	3.58	3.50	6.41	0.83	N.W.	18.25	6.66	5.00	0.50	„
Fort Johnston	34 00	78 05	63.38	68.95	66.22	66.18	89	28	61	9.58	3.83	2.41	0.66	0.50	7.00	2.25	4.16	N.	16.75	7.33	6.25	0.08	„
Cant. Jesup	31 30	93 47	61.39	75.78	67.50	68.22	97	20	77	3.25	4.50	5.33	2.66	8.41	2.75	2.66	0.83	S.E.	19.25	4.66	6.41	0.08	„
St. Augustine	29 50	81 27	70.94	74.46	71.29	72.23	94	42	52	1.08	2.91	12.50	1.75	7.50	0.75	2.50	1.41	N.E.	20.66	3.91	5.83	-	„
Cant. Brooke	27 57	82 35	68.64	79.05	69.42	72.37	92	40	52	0.16	4.00	7.08	3.00	4.58	2.83	6.25	2.50	N.E.	18.16	3.91	8.33	-	„

AVERAGE OF THE OBSERVATIONS AT THE SEVERAL POSTS.

PLACES OF OBSERVATION.	THERMOMETER.							WINDS.									WEATHER.				
	Mean Temperature.			Aggregate mean temperature.	Highest degree.	Lowest degree.	Range.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Prevail'g.	Fair.	Cl'dy.	Rain.	Snow.	Prevail'g.
	VII.	II.	IX.					Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		Days.	Days.	Days.	Days.	
Fort Brady	36.69	49.06	38.38	41.37	90	-33	123	1.74	4.77	1.05	2.24	7.24	2.60	2.27	8.24	W.	13.30	3.27	7.83	6.02	Fair.
Fort Snelling	39.96	52.34	42.70	45.00	96	-29	125	2.88	7.13	2.33	1.16	4.02	3.52	6.05	3.24	N.W.	16.94	5.50	5.77	2.22	"
Fort Sullivan	38.26	49.51	39.66	42.44	94	-19	113	3.26	6.89	2.04	2.08	0.79	7.02	3.68	4.77	S.	17.91	9.39	2.31	0.81	"
Fort Howard	37.81	52.98	42.71	44.50	100	-38	138	0.70	0.70	11.52	0.19	0.08	0.39	16.04	0.78	S.W.	15.47	7.98	4.56	2.42	"
Fort Crawford	39.06	53.92	43.58	45.52	96	-28	124	5.58	7.12	1.04	0.29	4.12	5.70	3.04	1.58	N.W.	16.80	6.29	3.87	1.33	"
Fort Wolcott	48.54	56.39	48.14	51.02	88	-1	89	3.04	6.54	3.37	0.66	2.68	2.00	10.06	1.83	S.W.	15.31	8.16	5.94	1.02	"
Council Bluffs	44.22	60.14	48.11	50.82	108	-21	129	5.89	4.52	2.12	1.83	4.02	7.39	3.06	1.60	S.	19.68	6.54	2.95	1.25	"
Fort Columbus	48.37	59.77	50.34	52.82	104	-3	107	0.70	9.02	3.49	0.87	4.04	3.91	6.29	2.06	N.W.	20.41	3.56	5.47	0.98	"
Fort Mifflin	51.68	63.31	50.85	55.28	96	6	90	0.50	6.37	4.54	0.74	6.20	1.24	8.20	2.62	S.W.	21.20	5.12	5.20	0.41	"
Fort Severn	53.40	62.11	56.70	57.40	92	8	84	3.08	6.00	4.00	2.00	3.33	6.91	2.16	2.33	S.	19.67	4.50	5.08	1.17	"
Washington city	52.23	62.18	55.65	56.56	95	10	85	2.62	7.47	4.97	1.05	3.19	2.66	7.63	0.74	S.W.	17.30	6.05	6.44	0.63	"
Fort Johnston	63.98	69.38	66.68	66.68	92	26	66	8.79	3.29	1.31	1.60	0.64	8.97	1.56	4.24	S.	16.87	7.60	5.85	0.12	"
Fort Moultrie	61.93	67.81	63.75	64.49	92	19	73	1.78	1.15	6.85	3.80	5.59	5.07	4.41	1.73	N.E.	22.89	2.48	5.00	0.02	"
Cant. Jesup	61.83	74.89	68.22	68.31	97	7	90	2.38	2.99	4.38	3.80	7.05	3.28	4.55	1.97	S.E.	18.63	4.49	7.25	0.05	"
Baton Rouge	62.87	74.54	66.82	68.07	99	18	81	4.58	3.00	2.50	2.67	5.00	4.84	4.75	3.08	S.E.	20.16	4.08	6.16	-	"
Canton. Clinch	64.43	74.12	67.77	68.77	95	11	84	2.05	4.10	4.13	1.47	7.11	2.05	8.67	0.80	S.W.	18.69	2.27	9.46	-	"
St. Augustine	70.94	74.46	71.29	72.23	94	42	52	1.08	2.91	12.50	1.75	7.50	0.75	2.50	1.41	N.E.	20.66	3.91	5.83	-	"
Cant. Brooke	68.64	79.05	69.42	72.37	92	40	52	0.16	4.00	7.08	3.00	4.58	2.83	6.25	2.50	N.E.	18.16	3.91	8.33	-	"
Average of the several years 1822	52.25	63.47	55.48	57.06	108	-29	137	5.07	4.93	2.67	1.71	3.39	4.60	4.95	3.10	N.	18.90	5.03	5.63	0.85	Fair.
1823	51.26	60.68	53.72	55.22	100	-38	138	3.15	3.85	4.84	1.65	4.10	3.19	7.22	2.29	S.W.	16.48	6.16	5.98	1.77	"
1824	51.27	61.22	53.90	55.56	96	-33	129	3.85	4.65	2.84	1.79	3.83	5.33	4.73	3.40	S.	17.55	5.03	6.29	1.49	"
1825	54.48	63.56	56.78	58.27	102	-25	127	3.23	4.81	4.72	1.45	5.52	2.79	3.09	3.24	S.E.	16.91	5.67	6.49	1.32	"
AVERAGE	52.31	62.24	54.97	56.52	108	-38	146	3.82	4.56	3.77	1.65	4.21	3.98	5.00	3.01	S.W.	17.46	5.47	6.10	1.36	Fair.

THE END.